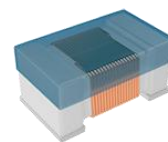


# Wire Wound Chip Ceramic Inductor – SDWL-C Series

Operating Temp. : -40°C~+125°C



## FEATURES

- Small chip suitable for surface mounting
- High Q value and high self-resonant frequency with ceramic material
- Tight inductance tolerance and high reliability

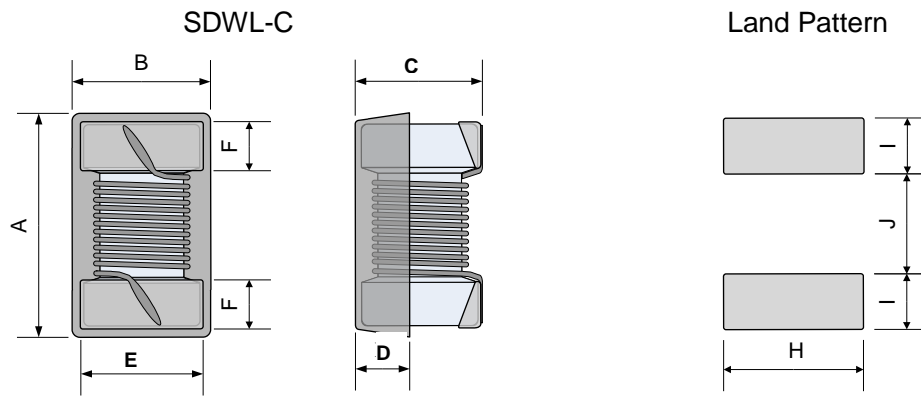
## APPLICATIONS

- High frequency circuit in telecommunication and other equipments
- Mobile phones such as GSM, CDMA, TD-LTE, FDD-LTE, PDC, 5G NR, etc.
- Bluetooth, W-LAN, Broadband network

## PRODUCT IDENTIFICATION

| <u>SDWL</u><br>①   | <u>1608</u><br>②                 | <u>C</u><br>③ | <u>10N</u><br>④ | <u>J</u><br>⑤            | <u>S</u><br>⑥   | <u>T</u><br>⑦       | <u>F</u><br>⑧ |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
|--|----------------------------------|---------------|-----------------|--------------------------|---|---------------------|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|--|-----------------|--|---|---------------|---|--------------------|--|---------|---------------|-----|------|-----|-------|-----|-------|---|----------------------|--|---|--------|---|--------|---|--------|---|--------|---|-----|---|-----|---|-----|---|------|--|--------------|--|---|----------------------------------|---|---------|--|---|-------------|---|-----------------------------------|--|---|--|
| ①  | ②                                | ③             | ④               | ⑤                        | ⑥   | ⑦                   | ⑧             |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| <table border="1"> <tr><th colspan="2">Type</th></tr> <tr><td>SDWL</td><td>Wire Wound Chip Inductor</td></tr> </table> | Type                             |               | SDWL            | Wire Wound Chip Inductor | <table border="1"> <tr><th colspan="2">External Dimensions</th></tr> <tr><td>1608</td><td>[0603]</td></tr> <tr><td>2012</td><td>[0805]</td></tr> <tr><td>2520</td><td>[1008]</td></tr> <tr><td>3216</td><td>[1206]</td></tr> <tr><td>3225</td><td>[1210]</td></tr> <tr><td>4532</td><td>[1812]</td></tr> </table> | External Dimensions |               | 1608 | [0603] | 2012 | [0805] | 2520 | [1008] | 3216 | [1206] | 3225 | [1210] | 4532 | [1812] | <table border="1"> <tr><th colspan="2">号 Material Code</th></tr> <tr><td>C</td><td>陶瓷<br/>Ceramic</td></tr> </table> | 号 Material Code |  | C | 陶瓷<br>Ceramic | <table border="1"> <tr><th colspan="2">Nominal Inductance</th></tr> <tr><th>Example</th><th>Nominal Value</th></tr> <tr><td>10N</td><td>10nH</td></tr> <tr><td>R10</td><td>100nH</td></tr> <tr><td>1R0</td><td>1.0μH</td></tr> </table> | Nominal Inductance |  | Example | Nominal Value | 10N | 10nH | R10 | 100nH | 1R0 | 1.0μH | <table border="1"> <tr><th colspan="2">Inductance Tolerance</th></tr> <tr><td>B</td><td>±0.1nH</td></tr> <tr><td>C</td><td>±0.2nH</td></tr> <tr><td>S</td><td>±0.3nH</td></tr> <tr><td>D</td><td>±0.5nH</td></tr> <tr><td>G</td><td>±2%</td></tr> <tr><td>H</td><td>±3%</td></tr> <tr><td>J</td><td>±5%</td></tr> <tr><td>K</td><td>±10%</td></tr> </table> | Inductance Tolerance |  | B | ±0.1nH | C | ±0.2nH | S | ±0.3nH | D | ±0.5nH | G | ±2% | H | ±3% | J | ±5% | K | ±10% | <table border="1"> <tr><th colspan="2">Feature Type</th></tr> <tr><td>S</td><td>Sn Plating<br/>Five-faces Coating</td></tr> </table> | Feature Type |  | S | Sn Plating<br>Five-faces Coating | <table border="1"> <tr><th colspan="2">Packing</th></tr> <tr><td>T</td><td>Tape &amp; Reel</td></tr> </table> | Packing |  | T | Tape & Reel | <table border="1"> <tr><th colspan="2">Hazardous Substance Free Products</th></tr> <tr><td colspan="2">F</td></tr> </table> | Hazardous Substance Free Products |  | F |  |
| Type   |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| SDWL   | Wire Wound Chip Inductor         |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| External Dimensions  |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 1608   | [0603]                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 2012   | [0805]                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 2520   | [1008]                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 3216   | [1206]                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 3225   | [1210]                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 4532   | [1812]                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 号 Material Code  |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| C  | 陶瓷<br>Ceramic                    |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| Nominal Inductance   |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| Example  | Nominal Value                    |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 10N  | 10nH                             |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| R10  | 100nH                            |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| 1R0  | 1.0μH                            |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| Inductance Tolerance   |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| B  | ±0.1nH                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| C  | ±0.2nH                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| S  | ±0.3nH                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| D  | ±0.5nH                           |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| G  | ±2%                              |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| H  | ±3%                              |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| J  | ±5%                              |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| K  | ±10%                             |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| Feature Type   |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| S  | Sn Plating<br>Five-faces Coating |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| Packing  |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| T  | Tape & Reel                      |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| Hazardous Substance Free Products  |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |
| F  |                                  |               |                 |                          |   |                     |               |      |        |      |        |      |        |      |        |      |        |      |        |  |                 |  |   |               |   |                    |  |         |               |     |      |     |       |     |       |   |                      |  |   |        |   |        |   |        |   |        |   |     |   |     |   |     |   |      |  |              |  |   |                                  |   |         |  |   |             |   |                                   |  |   |  |

## SHAPE AND DIMENSIONS



Unit: mm

| Series    | A Max. | B Max. | C Max. | D Typ. | E Typ. | F Typ. | H Typ. | I Typ. | J Typ. |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SDWL1608C | 1.80   | 1.12   | 1.02   | 0.38   | 0.80   | 0.30   | 1.02   | 0.64   | 0.64   |
| SDWL2012C | 2.29   | 1.73   | 1.55   | 0.51   | 1.27   | 0.50   | 1.78   | 1.02   | 0.76   |
| SDWL2520C | 2.92   | 2.79   | 2.29   | 0.51   | 2.10   | 0.50   | 2.54   | 1.02   | 1.27   |
| SDWL3216C | 3.56   | 2.16   | 1.52   | 0.51   | 1.60   | 0.50   | 1.93   | 1.02   | 1.78   |
| SDWL3225C | 3.65   | 2.95   | 2.70   | 0.51   | 2.10   | 0.50   | 3.02   | 1.02   | 1.78   |
| SDWL4532C | 4.95   | 3.81   | 3.43   | 1.78   | 2.90   | 0.58   | 3.05   | 1.14   | 3.00   |

## SPECIFICATIONS

### SDWL1608C-S TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL1608C1N6□STF | 1.6        | C,S,D,K   | 22                  | 250            | 0.035              | 1150               | >6000                        |
| SDWL1608C1N7□STF | 1.7        | C,S,D,J,K | 16                  | 250            | 0.043              | 1000               | >6000                        |
| SDWL1608C1N8□STF | 1.8        | C,S,D,J,K | 18                  | 250            | 0.043              | 1000               | >6000                        |
| SDWL1608C2N2□STF | 2.2        | S,D,K     | 13                  | 250            | 0.150              | 700                | >6000                        |
| SDWL1608C2N7□STF | 2.7        | C,S,D,J,K | 25                  | 250            | 0.043              | 1000               | >6000                        |
| SDWL1608C3N3□STF | 3.3        | C,S,D,J,K | 25                  | 250            | 0.059              | 850                | >6000                        |
| SDWL1608C3N6□STF | 3.6        | C,S,D,J,K | 25                  | 250            | 0.059              | 850                | >6000                        |
| SDWL1608C3N9□STF | 3.9        | C,S,D,J,K | 25                  | 250            | 0.059              | 850                | >6000                        |
| SDWL1608C4N3□STF | 4.3        | C,S,D,J,K | 25                  | 250            | 0.059              | 850                | >6000                        |
| SDWL1608C4N7□STF | 4.7        | C,S,D,J,K | 25                  | 250            | 0.065              | 800                | >6000                        |
| SDWL1608C5N1□STF | 5.1        | C,S,D,J,K | 21                  | 250            | 0.130              | 600                | >6000                        |
| SDWL1608C6N2□STF | 6.2        | C,S,D,J,K | 29                  | 250            | 0.095              | 700                | >6000                        |
| SDWL1608C6N8□STF | 6.8        | G,H,J,K   | 29                  | 250            | 0.095              | 700                | >6000                        |
| SDWL1608C7N5□STF | 7.5        | G,H,J,K   | 33                  | 250            | 0.095              | 700                | >6000                        |
| SDWL1608C8N2□STF | 8.2        | G,H,J,K   | 31                  | 250            | 0.095              | 700                | >6000                        |
| SDWL1608C8N7□STF | 8.7        | G,H,J,K   | 31                  | 250            | 0.095              | 700                | >6000                        |
| SDWL1608C9N1□STF | 9.1        | G,H,J,K   | 30                  | 250            | 0.120              | 620                | 6000                         |
| SDWL1608C9N5□STF | 9.5        | G,H,J,K   | 26                  | 250            | 0.160              | 540                | 6000                         |
| SDWL1608C10N□STF | 10         | G,H,J,K   | 30                  | 250            | 0.130              | 600                | 6000                         |
| SDWL1608C11N□STF | 11         | G,H,J,K   | 35                  | 250            | 0.130              | 600                | 6000                         |
| SDWL1608C12N□STF | 12         | G,H,J,K   | 35                  | 250            | 0.130              | 600                | 6000                         |
| SDWL1608C13N□STF | 13         | G,H,J,K   | 35                  | 250            | 0.130              | 600                | 6000                         |
| SDWL1608C15N□STF | 15         | G,H,J,K   | 37                  | 250            | 0.150              | 550                | 6000                         |
| SDWL1608C16N□STF | 16         | G,H,J,K   | 37                  | 250            | 0.150              | 550                | 5500                         |
| SDWL1608C17N□STF | 17         | G,H,J,K   | 37                  | 250            | 0.150              | 550                | 5500                         |

# SPECIFICATIONS

## SDWL1608C-S TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL1608C18N□STF | 18         | G,H,J,K   | 37                  | 250            | 0.150              | 550                | 5500                         |
| SDWL1608C20N□STF | 20         | G,H,J,K   | 37                  | 250            | 0.150              | 550                | 4900                         |
| SDWL1608C22N□STF | 22         | G,H,J,K   | 38                  | 250            | 0.190              | 490                | 4600                         |
| SDWL1608C23N□STF | 23         | G,H,J,K   | 40                  | 250            | 0.190              | 490                | 3800                         |
| SDWL1608C24N□STF | 24         | G,H,J,K   | 40                  | 250            | 0.190              | 490                | 3800                         |
| SDWL1608C25N□STF | 25         | G,H,J,K   | 40                  | 250            | 0.190              | 490                | 3700                         |
| SDWL1608C27N□STF | 27         | G,H,J,K   | 38                  | 250            | 0.190              | 490                | 3700                         |
| SDWL1608C30N□STF | 30         | G,H,J,K   | 38                  | 250            | 0.210              | 470                | 3300                         |
| SDWL1608C33N□STF | 33         | G,H,J,K   | 40                  | 250            | 0.210              | 470                | 3200                         |
| SDWL1608C36N□STF | 36         | G,H,J,K   | 40                  | 250            | 0.220              | 460                | 2900                         |
| SDWL1608C39N□STF | 39         | G,H,J,K   | 40                  | 250            | 0.220              | 460                | 2800                         |
| SDWL1608C43N□STF | 43         | G,H,J,K   | 40                  | 250            | 0.270              | 400                | 2700                         |
| SDWL1608C47N□STF | 47         | G,H,J,K   | 36                  | 200            | 0.270              | 400                | 2600                         |
| SDWL1608C51N□STF | 51         | G,H,J,K   | 35                  | 200            | 0.300              | 390                | 2400                         |
| SDWL1608C56N□STF | 56         | G,H,J,K   | 38                  | 200            | 0.350              | 360                | 2400                         |
| SDWL1608C62N□STF | 62         | G,H,J,K   | 36                  | 200            | 0.380              | 350                | 2300                         |
| SDWL1608C68N□STF | 68         | G,H,J,K   | 36                  | 200            | 0.380              | 350                | 2200                         |
| SDWL1608C72N□STF | 72         | G,H,J,K   | 34                  | 150            | 0.430              | 320                | 2100                         |
| SDWL1608C82N□STF | 82         | G,H,J,K   | 34                  | 150            | 0.500              | 300                | 2000                         |
| SDWL1608C90N□STF | 90         | G,H,J,K   | 34                  | 150            | 0.520              | 300                | 1900                         |
| SDWL1608C91N□STF | 91         | G,H,J,K   | 34                  | 150            | 0.520              | 300                | 1900                         |
| SDWL1608CR10□STF | 100        | G,H,J,K   | 31                  | 150            | 0.660              | 260                | 1800                         |
| SDWL1608CR11□STF | 110        | G,H,J,K   | 32                  | 150            | 0.730              | 250                | 1700                         |
| SDWL1608CR12□STF | 120        | G,H,J,K   | 32                  | 150            | 0.750              | 240                | 1600                         |
| SDWL1608CR13□STF | 130        | G,H,J,K   | 32                  | 150            | 0.750              | 240                | 1500                         |
| SDWL1608CR14□STF | 140        | G,H,J,K   | 32                  | 150            | 1.100              | 200                | 1400                         |
| SDWL1608CR15□STF | 150        | G,H,J,K   | 32                  | 150            | 1.120              | 200                | 1400                         |
| SDWL1608CR16□STF | 160        | G,H,J,K   | 32                  | 150            | 1.120              | 200                | 1400                         |
| SDWL1608CR18□STF | 180        | G,H,J,K   | 25                  | 100            | 1.380              | 180                | 1300                         |
| SDWL1608CR20□STF | 200        | G,H,J,K   | 25                  | 100            | 1.900              | 150                | 1250                         |
| SDWL1608CR21□STF | 210        | G,H,J,K   | 25                  | 100            | 1.900              | 150                | 1250                         |
| SDWL1608CR22□STF | 220        | G,H,J,K   | 25                  | 100            | 2.100              | 140                | 1200                         |
| SDWL1608CR24□STF | 240        | G,H,J,K   | 25                  | 100            | 2.750              | 120                | 1100                         |
| SDWL1608CR25□STF | 250        | G,H,J,K   | 25                  | 100            | 2.800              | 120                | 1100                         |
| SDWL1608CR27□STF | 270        | G,H,J,K   | 26                  | 100            | 3.000              | 120                | 960                          |
| SDWL1608CR30□STF | 300        | G,H,J,K   | 26                  | 100            | 4.050              | 110                | 900                          |
| SDWL1608CR33□STF | 330        | G,H,J,K   | 26                  | 100            | 4.200              | 100                | 800                          |
| SDWL1608CR39□STF | 390        | G,H,J,K   | 27                  | 100            | 4.500              | 100                | 800                          |
| SDWL1608CR42□STF | 420        | G,H,J,K   | 27                  | 100            | 5.400              | 90                 | 800                          |
| SDWL1608CR47□STF | 470        | G,H,J,K   | 27                  | 100            | 5.700              | 90                 | 700                          |
| SDWL1608CR56□STF | 560        | G,H,J,K   | 27                  | 100            | 8.100              | 70                 | 650                          |

# SPECIFICATIONS

## SDWL2012C TYPE

| Part Number       | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistanc | Max. Rated Current | Min. Self-resonant Frequency |
|-------------------|------------|-----------|---------------------|----------------|-------------------|--------------------|------------------------------|
| Units             | nH         | -         | -                   | MHz            | $\Omega$          | mA                 | MHz                          |
| Symbol            | L          | -         | Q                   | Freq.          | DCR               | I <sub>r</sub>     | S.R.F                        |
| SDWL2012C2N2□STF  | 2.2        | J,K       | 40                  | 250/1500       | 0.10              | 600                | >6000                        |
| SDWL2012C2N5□STF  | 2.5        | J,K       | 25                  | 100/250        | 0.05              | 600                | >6000                        |
| SDWL2012C2N7□STF  | 2.7        | J,K       | 40                  | 250/1500       | 0.05              | 600                | >6000                        |
| SDWL2012C2N8□STF  | 2.8        | J,K       | 35                  | 250/250        | 0.06              | 600                | 6000                         |
| SDWL2012C3N0□STF  | 3.0        | J,K       | 25                  | 250/1500       | 0.20              | 600                | 6000                         |
| SDWL2012C3N3□STF  | 3.3        | J,K       | 25                  | 250/1500       | 0.20              | 600                | >6000                        |
| SDWL2012C3N6□STF  | 3.6        | J,K       | 25                  | 250/1500       | 0.2               | 400                | 6000                         |
| SDWL2012C3N9□STF  | 3.9        | J,K       | 30                  | 250/1500       | 0.2               | 400                | 6000                         |
| SDWL2012C4N7□STF  | 4.7        | J,K       | 60                  | 250/1500       | 0.04              | 600                | >6000                        |
| SDWL2012C5N0□STF  | 5.0        | J,K       | 40                  | 250/250        | 0.1               | 600                | 5500                         |
| SDWL2012C5N1□STF  | 5.1        | J,K       | 35                  | 250/1000       | 0.1               | 600                | 5500                         |
| SDWL2012C5N6□STF  | 5.6        | J,K       | 43                  | 250/1000       | 0.1               | 600                | 5500                         |
| SDWL2012C6N0□STF  | 6.0        | J,K       | 48                  | 250/1000       | 0.11              | 600                | 5000                         |
| SDWL2012C6N2□STF  | 6.2        | J,K       | 50                  | 250/1000       | 0.05              | 600                | 5000                         |
| SDWL2012C6N8□STF  | 6.8        | J,K       | 40                  | 250/1000       | 0.11              | 600                | 5000                         |
| SDWL2012C7N5□STF  | 7.5        | J,K       | 40                  | 250/1000       | 0.14              | 600                | 4600                         |
| SDWL2012C8N2□STF  | 8.2        | J,K       | 40                  | 250/1000       | 0.19              | 600                | 4600                         |
| SDWL2012C8N5□STF  | 8.5        | J,K       | 38                  | 250/1000       | 0.27              | 600                | 5000                         |
| SDWL2012C9N1□STF  | 9.1        | J,K       | 38                  | 250/1000       | 0.16              | 600                | 5000                         |
| SDWL2012C10N□STF  | 10         | G,J,K     | 44                  | 250/1000       | 0.14              | 600                | 4500                         |
| SDWL2012C11N□STF  | 11         | G,J,K     | 40                  | 250/500        | 0.15              | 600                | 4000                         |
| SDWL2012C12N□STF  | 12         | G,J,K     | 40                  | 250/500        | 0.15              | 600                | 4000                         |
| SDWL2012C13N□STF  | 13         | G,J,K     | 40                  | 250/5000       | 0.17              | 600                | 3500                         |
| SDWL2012C14N□STF  | 14         | G,J,K     | 40                  | 250/5000       | 0.17              | 600                | 3400                         |
| SDWL2012C15N□STF  | 15         | G,J,K     | 40                  | 250/500        | 0.17              | 600                | 2900                         |
| SDWL2012C16N□STF  | 16         | G,J,K     | 50                  | 250/500        | 0.20              | 600                | 3300                         |
| SDWL2012C18N□STF  | 18         | G,J,K     | 50                  | 250/500        | 0.20              | 600                | 3300                         |
| SDWL2012C20N□STF  | 20         | G,J,K     | 35                  | 200/200        | 0.17              | 500                | 3000                         |
| SDWL2012C22N□STF  | 22         | G,J,K     | 55                  | 250/500        | 0.22              | 500                | 2000                         |
| SDWL2012C23N□STF  | 23         | G,J,K     | 55                  | 250/500        | 0.22              | 500                | 2000                         |
| SDWL2012C24N□STF  | 24         | G,J,K     | 50                  | 250/500        | 0.22              | 500                | 2000                         |
| SDWL2012C25N□STF  | 25         | G,J,K     | 40                  | 250/250        | 0.55              | 500                | 2000                         |
| SDWL2012C26N□STF  | 26         | G,J,K     | 60                  | 50/1500        | 0.1               | 500                | 2500                         |
| SDWL2012C26N8□STF | 26.8       | G,J,K     | 35                  | 300/2500       | 0.25              | 500                | 2500                         |
| SDWL2012C27N□STF  | 27         | G,J,K     | 55                  | 250/500        | 0.25              | 500                | 2500                         |
| SDWL2012C28N□STF  | 28         | G,J,K     | 50                  | 250/500        | 0.25              | 500                | 2500                         |
| SDWL2012C29N□STF  | 29         | G,J,K     | 45                  | 250/500        | 0.25              | 500                | 1800                         |
| SDWL2012C30N□STF  | 30         | G,J,K     | 50                  | 250/500        | 0.27              | 500                | 2100                         |
| SDWL2012C31N□STF  | 31         | G,J,K     | 50                  | 250/500        | 0.27              | 500                | 2000                         |
| SDWL2012C33N□STF  | 33         | G,J,K     | 60                  | 250/500        | 0.27              | 500                | 2000                         |
| SDWL2012C36N□STF  | 36         | G,J,K     | 55                  | 250/500        | 0.27              | 500                | 1700                         |
| SDWL2012C39N□STF  | 39         | G,J,K     | 60                  | 250/500        | 0.29              | 500                | 2000                         |
| SDWL2012C43N□STF  | 43         | G,J,K     | 50                  | 200/500        | 0.34              | 500                | 1600                         |
| SDWL2012C45N□STF  | 45         | G,J,K     | 50                  | 200/500        | 0.31              | 500                | 1600                         |
| SDWL2012C47N□STF  | 47         | G,J,K     | 50                  | 200/500        | 0.31              | 500                | 1600                         |
| SDWL2012C51N□STF  | 51         | G,J,K     | 45                  | 200/500        | 0.38              | 500                | 1600                         |
| SDWL2012C55N□STF  | 55         | G,J,K     | 55                  | 200/500        | 0.32              | 500                | 1550                         |
| SDWL2012C56N□STF  | 56         | G,J,K     | 55                  | 200/500        | 0.32              | 500                | 1550                         |

# SPECIFICATIONS

## SDWL2012C TYPE

| Part Number       | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|-------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units             | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol            | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL2012C62N□STF  | 62         | G,J,K     | 50                  | 200/500        | 0.35               | 500                | 1400                         |
| SDWL2012C66N□STF  | 66         | G,J,K     | 45                  | 200/500        | 0.4                | 500                | 1200                         |
| SDWL2012C68N□STF  | 68         | G,J,K     | 55                  | 200/500        | 0.38               | 500                | 1450                         |
| SDWL2012C70N□STF  | 70         | G,J,K     | 60                  | 200/500        | 0.38               | 500                | 1400                         |
| SDWL2012C72N□STF  | 72         | G,J,K     | 50                  | 200/500        | 0.30               | 400                | 1400                         |
| SDWL2012C75N□STF  | 75         | G,J,K     | 50                  | 150/500        | 0.40               | 400                | 1400                         |
| SDWL2012C78N□STF  | 78         | G,J,K     | 60                  | 150/500        | 0.42               | 400                | 1400                         |
| SDWL2012C82N□STF  | 82         | G,J,K     | 50                  | 150/500        | 0.42               | 400                | 1300                         |
| SDWL2012C85N□STF  | 85         | G,J,K     | 40                  | 150/150        | 0.42               | 400                | 1020                         |
| SDWL2012C89N□STF  | 89         | G,J,K     | 60                  | 150/500        | 0.4                | 400                | 1300                         |
| SDWL2012C91N□STF  | 91         | G,J,K     | 65                  | 150/500        | 0.48               | 400                | 1200                         |
| SDWL2012C92N□STF  | 92         | G,J,K     | 45                  | 150/500        | 0.42               | 350                | 1300                         |
| SDWL2012CR10□STF  | 100        | G,J,K     | 50                  | 150/500        | 0.46               | 400                | 1200                         |
| SDWL2012CR11□STF  | 110        | G,J,K     | 50                  | 150/250        | 0.48               | 400                | 1100                         |
| SDWL2012CR12□STF  | 120        | G,J,K     | 50                  | 150/250        | 0.51               | 400                | 1100                         |
| SDWL2012CR13□STF  | 130        | G,J,K     | 55                  | 150/250        | 0.5                | 400                | 1200                         |
| SDWL2012CR14□STF  | 140        | G,J,K     | 50                  | 100/250        | 0.56               | 400                | 1100                         |
| SDWL2012CR144□STF | 144        | G,J,K     | 50                  | 100/250        | 0.52               | 400                | 1000                         |
| SDWL2012CR15□STF  | 150        | G,J,K     | 50                  | 100/250        | 0.56               | 400                | 920                          |
| SDWL2012CR16□STF  | 160        | G,J,K     | 45                  | 100/250        | 0.8                | 400                | 900                          |
| SDWL2012CR18□STF  | 180        | G,J,K     | 50                  | 100/250        | 0.64               | 400                | 870                          |
| SDWL2012CR20□STF  | 200        | G,J,K     | 45                  | 100/250        | 0.64               | 400                | 900                          |
| SDWL2012CR22□STF  | 220        | G,J,K     | 45                  | 100/250        | 1.10               | 400                | 850                          |
| SDWL2012CR23□STF  | 230        | G,J,K     | 40                  | 100/250        | 1.20               | 400                | 770                          |
| SDWL2012CR24□STF  | 240        | G,J,K     | 40                  | 100/250        | 1.20               | 400                | 770                          |
| SDWL2012CR27□STF  | 270        | G,J,K     | 38                  | 100/250        | 1.00               | 350                | 650                          |
| SDWL2012CR28□STF  | 280        | G,J,K     | 38                  | 100/100        | 1.20               | 150                | 750                          |
| SDWL2012CR29□STF  | 290        | G,J,K     | 38                  | 100/100        | 1.20               | 150                | 750                          |
| SDWL2012CR30□STF  | 300        | G,J,K     | 40                  | 100/250        | 1.50               | 310                | 750                          |
| SDWL2012CR33□STF  | 330        | G,J,K     | 40                  | 100/250        | 1.40               | 310                | 600                          |
| SDWL2012CR35□STF  | 350        | G,J,K     | 35                  | 100/250        | 1.40               | 300                | 500                          |
| SDWL2012CR36□STF  | 360        | G,J,K     | 35                  | 100/250        | 1.50               | 290                | 560                          |
| SDWL2012CR39□STF  | 390        | G,J,K     | 35                  | 100/250        | 1.50               | 290                | 560                          |
| SDWL2012CR41□STF  | 410        | G,J,K     | 35                  | 100/250        | 1.50               | 290                | 560                          |
| SDWL2012CR43□STF  | 430        | G,J,K     | 28                  | 100/100        | 1.20               | 230                | 430                          |
| SDWL2012CR47□STF  | 470        | G,J,K     | 33                  | 50/100         | 1.72               | 250                | 375                          |
| SDWL2012CR49□STF  | 490        | G,J,K     | 33                  | 100/100        | 1.80               | 230                | 330                          |
| SDWL2012CR50□STF  | 500        | G,J,K     | 23                  | 25/50          | 1.80               | 230                | 330                          |
| SDWL2012CR51□STF  | 510        | G,J,K     | 20                  | 25/50          | 1.50               | 230                | 300                          |
| SDWL2012CR54□STF  | 540        | G,J,K     | 23                  | 25/50          | 1.90               | 230                | 300                          |
| SDWL2012CR56□STF  | 560        | G,J,K     | 23                  | 25/50          | 1.90               | 230                | 320                          |
| SDWL2012CR62□STF  | 620        | G,J,K     | 23                  | 25/50          | 1.95               | 200                | 280                          |
| SDWL2012CR65□STF  | 650        | G,J,K     | 23                  | 25/50          | 2.00               | 200                | 270                          |
| SDWL2012CR68□STF  | 680        | G,J,K     | 23                  | 25/50          | 2.05               | 190                | 270                          |
| SDWL2012CR72□STF  | 720        | G,J,K     | 22                  | 25/50          | 2.10               | 180                | 240                          |
| SDWL2012CR75□STF  | 750        | G,J,K     | 23                  | 25/50          | 2.10               | 180                | 240                          |
| SDWL2012CR82□STF  | 820        | G,J,K     | 23                  | 25/50          | 2.30               | 180                | 250                          |

## SPECIFICATIONS

### SDWL2012C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL2012CR86□STF | 860        | G,J,K     | 22                  | 25/50          | 2.30               | 160                | 230                          |
| SDWL2012CR91□STF | 910        | G,J,K     | 22                  | 25/50          | 2.40               | 160                | 230                          |
| SDWL2012C1R0□STF | 1000       | G,J,K     | 20                  | 25/50          | 2.50               | 150                | 200                          |
| SDWL2012C1R2□STF | 1200       | G,J,K     | 18                  | 25/50          | 3.50               | 100                | 200                          |
| SDWL2012C1R5□STF | 1500       | G,J,K     | 15                  | 25/50          | 2.90               | 100                | 130                          |
| SDWL2012C1R8□STF | 1800       | G,J,K     | 15                  | 7.9/25         | 3.50               | 120                | 120                          |
| SDWL2012C2R0□STF | 2000       | G,J,K     | 15                  | 7.9/25         | 4.3                | 100                | 80                           |
| SDWL2012C2R2□STF | 2200       | G,J,K     | 16                  | 7.9/25         | 4.60               | 100                | 70                           |
| SDWL2012C2R7□STF | 2700       | G,J,K     | 15                  | 7.9/7.9        | 5.00               | 80                 | 120                          |
| SDWL2012C3R3□STF | 3300       | G,J,K     | 10                  | 7.9/7.9        | 5.40               | 50                 | 80                           |
| SDWL2012C3R9□STF | 3900       | G,J,K     | 10                  | 7.9/7.9        | 5.40               | 40                 | 80                           |
| SDWL2012C4R7□STF | 4700       | G,J,K     | 18                  | 7.9/25         | 8.20               | 30                 | 70                           |

### SDWL2520C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL2520C3N6□STF | 3.6        | J,K       | 50                  | 50/1500        | 0.05               | 1000               | >6000                        |
| SDWL2520C3N9□STF | 3.9        | J,K       | 50                  | 50/1500        | 0.10               | 1000               | >6000                        |
| SDWL2520C4N1□STF | 4.1        | J,K       | 75                  | 50/1500        | 0.05               | 1000               | >6000                        |
| SDWL2520C4N7□STF | 4.7        | J,K       | 50                  | 50/1500        | 0.11               | 1000               | >6000                        |
| SDWL2520C5N6□STF | 5.6        | J,K       | 55                  | 50/1500        | 0.14               | 1000               | >6000                        |
| SDWL2520C6N8□STF | 6.8        | J,K       | 45                  | 250/250        | 0.08               | 1000               | >6000                        |
| SDWL2520C8N2□STF | 8.2        | J,K       | 60                  | 50/1500        | 0.05               | 1000               | 5500                         |
| SDWL2520C10N□STF | 10         | G,J,K     | 50                  | 50/500         | 0.08               | 1000               | 4100                         |
| SDWL2520C12N□STF | 12         | G,J,K     | 50                  | 50/500         | 0.09               | 1000               | 3300                         |
| SDWL2520C15N□STF | 15         | G,J,K     | 50                  | 50/500         | 0.13               | 1000               | 2500                         |
| SDWL2520C16N□STF | 16         | G,J,K     | 35                  | 50/350         | 0.2                | 1000               | 2500                         |
| SDWL2520C18N□STF | 18         | G,J,K     | 50                  | 50/350         | 0.11               | 1000               | 2500                         |
| SDWL2520C20N□STF | 20         | G,J,K     | 50                  | 50/350         | 0.12               | 900                | 2400                         |
| SDWL2520C22N□STF | 22         | G,J,K     | 55                  | 50/350         | 0.12               | 1000               | 2400                         |
| SDWL2520C24N□STF | 24         | G,J,K     | 55                  | 50/350         | 0.13               | 1000               | 1600                         |
| SDWL2520C27N□STF | 27         | G,J,K     | 55                  | 50/350         | 0.13               | 1000               | 1600                         |
| SDWL2520C28N□STF | 28         | G,J,K     | 70                  | 50/350         | 0.095              | 1000               | 1800                         |
| SDWL2520C30N□STF | 30         | G,J,K     | 45                  | 50/350         | 0.20               | 1000               | 1700                         |
| SDWL2520C33N□STF | 33         | G,J,K     | 60                  | 50/350         | 0.14               | 1000               | 1600                         |
| SDWL2520C36N□STF | 36         | G,J,K     | 60                  | 50/350         | 0.14               | 1000               | 1600                         |
| SDWL2520C39N□STF | 39         | G,J,K     | 50                  | 50/350         | 0.15               | 1000               | 1500                         |
| SDWL2520C43N□STF | 43         | G,J,K     | 65                  | 50/350         | 0.16               | 1000               | 1600                         |
| SDWL2520C44N□STF | 44         | G,J,K     | 60                  | 50/350         | 0.15               | 1000               | 1500                         |
| SDWL2520C47N□STF | 47         | G,J,K     | 65                  | 50/350         | 0.16               | 1000               | 1500                         |
| SDWL2520C48N□STF | 48         | G,J,K     | 60                  | 50/350         | 0.16               | 1000               | 1400                         |
| SDWL2520C51N□STF | 51         | G,J,K     | 65                  | 50/350         | 0.2                | 1000               | 1150                         |
| SDWL2520C52N□STF | 52         | G,J,K     | 65                  | 50/350         | 0.2                | 1000               | 1150                         |
| SDWL2520C56N□STF | 56         | G,J,K     | 50                  | 50/350         | 0.18               | 1000               | 1300                         |
| SDWL2520C60N□STF | 60         | G,J,K     | 50                  | 50/350         | 0.21               | 1000               | 1200                         |

# SPECIFICATIONS

## SDWL2520C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL2520C62N□STF | 62         | G,J,K     | 50                  | 50/350         | 0.21               | 1000               | 1200                         |
| SDWL2520C64N□STF | 64         | G,J,K     | 65                  | 50/350         | 0.19               | 1000               | 1200                         |
| SDWL2520C65N□STF | 65         | G,J,K     | 50                  | 50/350         | 0.12               | 1000               | 1200                         |
| SDWL2520C66N□STF | 66         | G,J,K     | 60                  | 50/350         | 0.19               | 800                | 1200                         |
| SDWL2520C68N□STF | 68         | G,J,K     | 65                  | 50/350         | 0.21               | 1000               | 1200                         |
| SDWL2520C72N□STF | 72         | G,J,K     | 50                  | 50/350         | 0.22               | 900                | 1200                         |
| SDWL2520C75N□STF | 75         | G,J,K     | 50                  | 50/350         | 0.22               | 900                | 1200                         |
| SDWL2520C80N□STF | 80         | G,J,K     | 60                  | 50/350         | 0.22               | 1000               | 1000                         |
| SDWL2520C82N□STF | 82         | G,J,K     | 60                  | 50/350         | 0.22               | 1000               | 800                          |
| SDWL2520C91N□STF | 91         | G,J,K     | 55                  | 50/350         | 0.3                | 800                | 800                          |
| SDWL2520CR10□STF | 100        | G,J,K     | 60                  | 25/350         | 0.56               | 650                | 1000                         |
| SDWL2520CR11□STF | 110        | G,J,K     | 35                  | 100/100        | 0.85               | 650                | 950                          |
| SDWL2520CR12□STF | 120        | G,J,K     | 60                  | 25/350         | 0.63               | 650                | 950                          |
| SDWL2520CR13□STF | 130        | G,J,K     | 70                  | 25/350         | 0.045              | 650                | 950                          |
| SDWL2520CR15□STF | 150        | G,J,K     | 50                  | 25/100         | 0.62               | 580                | 800                          |
| SDWL2520CR17□STF | 170        | G,J,K     | 45                  | 25/100         | 0.77               | 500                | 650                          |
| SDWL2520CR18□STF | 180        | G,J,K     | 50                  | 25/100         | 0.70               | 620                | 750                          |
| SDWL2520CR20□STF | 200        | G,J,K     | 45                  | 25/100         | 0.15               | 450                | 700                          |
| SDWL2520CR22□STF | 220        | G,J,K     | 50                  | 25/100         | 0.80               | 500                | 630                          |
| SDWL2520CR23□STF | 230        | G,J,K     | 50                  | 25/100         | 0.85               | 500                | 600                          |
| SDWL2520CR24□STF | 240        | G,J,K     | 50                  | 25/100         | 0.9                | 500                | 550                          |
| SDWL2520CR26□STF | 260        | G,J,K     | 50                  | 25/100         | 0.91               | 500                | 600                          |
| SDWL2520CR27□STF | 270        | G,J,K     | 50                  | 25/100         | 0.91               | 500                | 600                          |
| SDWL2520CR29□STF | 290        | G,J,K     | 45                  | 25/100         | 1.0                | 500                | 550                          |
| SDWL2520CR30□STF | 300        | G,J,K     | 45                  | 25/100         | 1.0                | 500                | 450                          |
| SDWL2520CR33□STF | 330        | G,J,K     | 50                  | 25/100         | 1.05               | 450                | 530                          |
| SDWL2520CR35□STF | 350        | G,J,K     | 50                  | 25/100         | 1.06               | 470                | 500                          |
| SDWL2520CR36□STF | 360        | G,J,K     | 50                  | 25/100         | 1.06               | 470                | 500                          |
| SDWL2520CR39□STF | 390        | G,J,K     | 50                  | 25/100         | 1.12               | 470                | 480                          |
| SDWL2520CR40□STF | 400        | G,J,K     | 50                  | 25/100         | 1.12               | 470                | 480                          |
| SDWL2520CR43□STF | 430        | G,J,K     | 50                  | 25/100         | 1.15               | 450                | 480                          |
| SDWL2520CR47□STF | 470        | G,J,K     | 50                  | 25/100         | 1.19               | 470                | 450                          |
| SDWL2520CR50□STF | 500        | G,J,K     | 30                  | 25/25          | 0.90               | 200                | 400                          |
| SDWL2520CR51□STF | 510        | G,J,K     | 50                  | 25/100         | 1.25               | 420                | 380                          |
| SDWL2520CR52□STF | 520        | G,J,K     | 50                  | 25/100         | 1.25               | 420                | 380                          |
| SDWL2520CR53□STF | 530        | G,J,K     | 50                  | 25/100         | 1.25               | 420                | 380                          |
| SDWL2520CR54□STF | 540        | G,J,K     | 45                  | 25/100         | 1.3                | 400                | 435                          |
| SDWL2520CR56□STF | 560        | G,J,K     | 50                  | 25/100         | 1.33               | 400                | 390                          |
| SDWL2520CR62□STF | 620        | G,J,K     | 45                  | 25/100         | 1.40               | 300                | 375                          |
| SDWL2520CR64□STF | 640        | G,J,K     | 45                  | 25/100         | 1.47               | 300                | 375                          |
| SDWL2520CR68□STF | 680        | G,J,K     | 45                  | 25/100         | 1.47               | 400                | 360                          |
| SDWL2520CR72□STF | 720        | G,J,K     | 45                  | 25/100         | 1.47               | 360                | 370                          |
| SDWL2520CR75□STF | 750        | G,J,K     | 45                  | 25/100         | 1.54               | 360                | 360                          |
| SDWL2520CR77□STF | 770        | G,J,K     | 45                  | 25/100         | 1.54               | 360                | 350                          |
| SDWL2520CR82□STF | 820        | G,J,K     | 45                  | 25/100         | 1.61               | 400                | 330                          |
| SDWL2520CR86□STF | 860        | G,J,K     | 40                  | 25/100         | 1.61               | 380                | 330                          |
| SDWL2520CR91□STF | 910        | G,J,K     | 35                  | 25/50          | 1.68               | 380                | 295                          |
| SDWL2520C1R0□STF | 1000       | G,J,K     | 35                  | 25/50          | 1.80               | 370                | 270                          |
| SDWL2520C1R2□STF | 1200       | G,J,K     | 35                  | 7.9/50         | 2.0                | 310                | 200                          |
| SDWL2520C1R5□STF | 1500       | G,J,K     | 28                  | 7.9/50         | 2.3                | 330                | 150                          |

## SPECIFICATIONS

### SDWL2520C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL2520C1R8□STF | 1800       | G,J,K     | 28                  | 7.9/50         | 2.6                | 300                | 120                          |
| SDWL2520C2R0□STF | 2000       | G,J,K     | 22                  | 7.9/25         | 2.8                | 280                | 100                          |
| SDWL2520C2R2□STF | 2200       | G,J,K     | 22                  | 7.9/25         | 2.8                | 280                | 100                          |
| SDWL2520C2R7□STF | 2700       | G,J,K     | 22                  | 7.9/25         | 3.2                | 290                | 90                           |
| SDWL2520C3R0□STF | 3000       | G,J,K     | 20                  | 7.9/25         | 3.2                | 290                | 50                           |
| SDWL2520C3R3□STF | 3300       | G,J,K     | 22                  | 7.9/25         | 3.4                | 290                | 70                           |
| SDWL2520C3R6□STF | 3600       | G,J,K     | 20                  | 7.9/25         | 3.8                | 250                | 60                           |
| SDWL2520C3R9□STF | 3900       | G,J,K     | 17                  | 7.9/25         | 3.6                | 260                | 60                           |
| SDWL2520C4R3□STF | 4300       | G,J,K     | 13                  | 7.9/25         | 3.9                | 260                | 30                           |
| SDWL2520C4R7□STF | 4700       | G,J,K     | 20                  | 7.9/25         | 4.0                | 260                | 50                           |
| SDWL2520C5R1□STF | 5100       | G,J,K     | 20                  | 7.9/25         | 6.2                | 200                | 40                           |
| SDWL2520C5R6□STF | 5600       | G,J,K     | 20                  | 7.9/25         | 5.7                | 240                | 40                           |
| SDWL2520C6R8□STF | 6800       | G,J,K     | 20                  | 7.9/25         | 7.7                | 200                | 40                           |
| SDWL2520C7R5□STF | 7500       | G,J,K     | 20                  | 7.9/25         | 10                 | 180                | 50                           |
| SDWL2520C8R2□STF | 8200       | G,J,K     | 20                  | 7.9/7.9        | 10.7               | 150                | 30                           |
| SDWL2520C9R1□STF | 9100       | G,J,K     | 18                  | 7.9/25         | 12                 | 80                 | 40                           |
| SDWL2520C100□STF | 10000      | G,J,K     | 20                  | 7.9/7.9        | 8.5                | 100                | 40                           |
| SDWL2520C180□STF | 18000      | G,J,K     | 15                  | 7.9/7.9        | 13                 | 80                 | 10                           |
| SDWL2520C220□STF | 22000      | G,J,K     | 20                  | 7.9/7.9        | 18                 | 70                 | 20                           |

### SDWL3216C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL3216C3N3□STF | 3.3        | J,K       | 20                  | 100/300        | 0.07               | 1000               | 6200                         |
| SDWL3216C5N6□STF | 5.6        | J,K       | 30                  | 100/300        | 0.07               | 1000               | 5500                         |
| SDWL3216C6N8□STF | 6.8        | J,K       | 30                  | 100/300        | 0.07               | 1000               | 5500                         |
| SDWL3216C8N2□STF | 8.2        | J,K       | 30                  | 100/300        | 0.07               | 1000               | 5500                         |
| SDWL3216C10N□STF | 10         | G,J,K     | 40                  | 100/300        | 0.09               | 1000               | 4000                         |
| SDWL3216C12N□STF | 12         | G,J,K     | 40                  | 100/300        | 0.09               | 1000               | 3200                         |
| SDWL3216C15N□STF | 15         | G,J,K     | 40                  | 100/300        | 0.12               | 1000               | 3200                         |
| SDWL3216C18N□STF | 18         | G,J,K     | 45                  | 100/300        | 0.12               | 1000               | 2800                         |
| SDWL3216C22N□STF | 22         | G,J,K     | 50                  | 100/300        | 0.12               | 1000               | 2200                         |
| SDWL3216C27N□STF | 27         | G,J,K     | 50                  | 100/300        | 0.12               | 1000               | 1800                         |
| SDWL3216C30N□STF | 30         | G,J,K     | 50                  | 100/300        | 0.12               | 1000               | 1800                         |
| SDWL3216C33N□STF | 33         | G,J,K     | 50                  | 100/300        | 0.12               | 1000               | 1800                         |
| SDWL3216C39N□STF | 39         | G,J,K     | 50                  | 100/300        | 0.12               | 1000               | 1800                         |
| SDWL3216C47N□STF | 47         | G,J,K     | 50                  | 100/300        | 0.13               | 1000               | 1500                         |
| SDWL3216C56N□STF | 56         | G,J,K     | 55                  | 100/300        | 0.14               | 1000               | 1450                         |
| SDWL3216C68N□STF | 68         | G,J,K     | 55                  | 100/300        | 0.26               | 900                | 1200                         |
| SDWL3216C82N□STF | 82         | G,J,K     | 55                  | 100/300        | 0.21               | 900                | 1200                         |
| SDWL3216CR10□STF | 100        | G,J,K     | 55                  | 100/300        | 0.30               | 850                | 1100                         |
| SDWL3216CR12□STF | 120        | G,J,K     | 60                  | 100/300        | 0.30               | 800                | 1100                         |
| SDWL3216CR15□STF | 150        | G,J,K     | 55                  | 100/300        | 0.31               | 750                | 950                          |
| SDWL3216CR18□STF | 180        | G,J,K     | 60                  | 50/300         | 0.43               | 700                | 900                          |
| SDWL3216CR22□STF | 220        | G,J,K     | 60                  | 50/300         | 0.56               | 670                | 760                          |



## SPECIFICATIONS

### SDWL3216C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL3216CR27□STF | 270        | G,J,K     | 50                  | 50/300         | 0.56               | 630                | 730                          |
| SDWL3216CR29□STF | 290        | G,J,K     | 50                  | 50/250         | 0.6                | 610                | 700                          |
| SDWL3216CR33□STF | 330        | G,J,K     | 45                  | 50/150         | 0.70               | 590                | 650                          |
| SDWL3216CR39□STF | 390        | G,J,K     | 45                  | 50/150         | 0.80               | 530                | 600                          |
| SDWL3216CR47□STF | 470        | G,J,K     | 45                  | 50/150         | 1.30               | 490                | 550                          |
| SDWL3216CR56□STF | 560        | G,J,K     | 45                  | 35/150         | 1.34               | 460                | 470                          |
| SDWL3216CR62□STF | 620        | G,J,K     | 50                  | 35/150         | 1.58               | 430                | 450                          |
| SDWL3216CR68□STF | 680        | G,J,K     | 45                  | 35/150         | 1.58               | 430                | 450                          |
| SDWL3216CR82□STF | 820        | G,J,K     | 45                  | 35/150         | 1.82               | 400                | 420                          |
| SDWL3216CR91□STF | 910        | G,J,K     | 45                  | 35/150         | 2.6                | 320                | 400                          |
| SDWL3216C1R0□STF | 1000       | G,J,K     | 45                  | 35/150         | 2.80               | 320                | 400                          |
| SDWL3216C1R2□STF | 1200       | G,J,K     | 45                  | 35/150         | 3.20               | 300                | 380                          |

### SDWL3225C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL3225C3N9□STF | 3.9        | J,K       | 30                  | 100/300        | 0.05               | 1000               | 6000                         |
| SDWL3225C4N7□STF | 4.7        | J,K       | 30                  | 100/300        | 0.065              | 1000               | 5800                         |
| SDWL3225C8N2□STF | 8.2        | J,K       | 30                  | 100/300        | 0.07               | 1000               | 5500                         |
| SDWL3225C10N□STF | 10         | G,J,K     | 40                  | 100/300        | 0.08               | 1000               | 4000                         |
| SDWL3225C12N□STF | 12         | G,J,K     | 40                  | 100/300        | 0.08               | 1000               | 3200                         |
| SDWL3225C15N□STF | 15         | G,J,K     | 40                  | 100/300        | 0.10               | 1000               | 3200                         |
| SDWL3225C18N□STF | 18         | G,J,K     | 50                  | 100/300        | 0.10               | 1000               | 2800                         |
| SDWL3225C22N□STF | 22         | G,J,K     | 50                  | 100/300        | 0.10               | 1000               | 2200                         |
| SDWL3225C27N□STF | 27         | G,J,K     | 50                  | 100/300        | 0.11               | 1000               | 1800                         |
| SDWL3225C30N□STF | 30         | G,J,K     | 50                  | 100/300        | 0.11               | 900                | 1800                         |
| SDWL3225C33N□STF | 33         | G,J,K     | 55                  | 100/300        | 0.11               | 1000               | 1800                         |
| SDWL3225C39N□STF | 39         | G,J,K     | 55                  | 100/300        | 0.12               | 1000               | 1500                         |
| SDWL3225C43N□STF | 43         | G,J,K     | 55                  | 100/300        | 0.12               | 1000               | 1500                         |
| SDWL3225C47N□STF | 47         | G,J,K     | 55                  | 100/300        | 0.13               | 1000               | 1500                         |
| SDWL3225C51N□STF | 51         | G,J,K     | 50                  | 100/300        | 0.14               | 1000               | 1450                         |
| SDWL3225C56N□STF | 56         | G,J,K     | 55                  | 100/300        | 0.14               | 1000               | 1450                         |
| SDWL3225C68N□STF | 68         | G,J,K     | 55                  | 100/300        | 0.15               | 900                | 1200                         |
| SDWL3225C82N□STF | 82         | G,J,K     | 55                  | 100/300        | 0.20               | 900                | 1000                         |
| SDWL3225CR10□STF | 100        | G,J,K     | 55                  | 100/300        | 0.20               | 850                | 900                          |
| SDWL3225CR12□STF | 120        | G,J,K     | 60                  | 100/300        | 0.25               | 800                | 800                          |
| SDWL3225CR13□STF | 130        | G,J,K     | 60                  | 100/300        | 0.25               | 800                | 800                          |
| SDWL3225CR15□STF | 150        | G,J,K     | 60                  | 100/300        | 0.25               | 750                | 700                          |
| SDWL3225CR18□STF | 180        | G,J,K     | 60                  | 50/300         | 0.30               | 700                | 650                          |
| SDWL3225CR22□STF | 220        | G,J,K     | 60                  | 50/300         | 0.40               | 770                | 650                          |
| SDWL3225CR24□STF | 240        | G,J,K     | 60                  | 50/300         | 0.40               | 500                | 580                          |
| SDWL3225CR27□STF | 270        | G,J,K     | 40                  | 50/300         | 0.40               | 630                | 580                          |
| SDWL3225CR29□STF | 290        | G,J,K     | 45                  | 50/150         | 0.40               | 600                | 580                          |
| SDWL3225CR33□STF | 330        | G,J,K     | 45                  | 50/150         | 0.58               | 590                | 580                          |
| SDWL3225CR39□STF | 390        | G,J,K     | 45                  | 50/150         | 0.58               | 530                | 510                          |
| SDWL3225CR47□STF | 470        | G,J,K     | 45                  | 50/150         | 0.80               | 490                | 480                          |

## SPECIFICATIONS

### SDWL3225C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | nH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL3225CR56□STF | 560        | G,J,K     | 45                  | 35/150         | 1.10               | 460                | 420                          |
| SDWL3225CR60□STF | 600        | G,J,K     | 45                  | 35/150         | 1.15               | 450                | 420                          |
| SDWL3225CR68□STF | 680        | G,J,K     | 45                  | 35/150         | 1.20               | 430                | 400                          |
| SDWL3225CR82□STF | 820        | G,J,K     | 45                  | 35/150         | 1.82               | 400                | 370                          |
| SDWL3225C1R0□STF | 1000       | G,J,K     | 45                  | 35/150         | 1.85               | 320                | 340                          |
| SDWL3225C1R2□STF | 1200       | G,J,K     | 35                  | 35/150         | 1.87               | 300                | 220                          |
| SDWL3225C1R5□STF | 1500       | G,J,K     | 20                  | 7.9/50         | 1.95               | 310                | 160                          |
| SDWL3225C1R8□STF | 1800       | G,J,K     | 30                  | 7.9/50         | 2.25               | 310                | 160                          |
| SDWL3225C2R2□STF | 2200       | G,J,K     | 25                  | 7.9/50         | 2.41               | 310                | 130                          |
| SDWL3225C2R7□STF | 2700       | G,J,K     | 25                  | 7.9/50         | 2.85               | 300                | 110                          |
| SDWL3225C3R0□STF | 3000       | G,J,K     | 20                  | 7.9/25         | 3.12               | 300                | 110                          |
| SDWL3225C3R3□STF | 3300       | G,J,K     | 20                  | 7.9/25         | 3.14               | 290                | 100                          |
| SDWL3225C3R9□STF | 3900       | G,J,K     | 20                  | 7.9/25         | 3.60               | 290                | 60                           |
| SDWL3225C4R7□STF | 4700       | G,J,K     | 20                  | 7.9/25         | 4.00               | 280                | 60                           |
| SDWL3225C5R6□STF | 5600       | G,J,K     | 15                  | 7.9/25         | 5.00               | 250                | 50                           |
| SDWL3225C6R8□STF | 6800       | G,J,K     | 15                  | 7.9            | 8.00               | 230                | 40                           |
| SDWL3225C8R2□STF | 8200       | G,J,K     | 15                  | 7.9            | 9.00               | 200                | 40                           |
| SDWL3225C8R6□STF | 8600       | G,J,K     | 15                  | 7.9            | 9.00               | 200                | 40                           |
| SDWL3225C100□STF | 10000      | G,J,K     | 15                  | 7.9            | 13.2               | 120                | 35                           |
| SDWL3225C220□STF | 22000      | G,J,K     | 15                  | 7.9            | 18                 | 100                | 20                           |

### SDWL4532C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | $\mu$ H    | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL4532C24N□STF | 0.024      | G,J,K     | 30                  | 7.9/50         | 0.1                | 1000               | 2000                         |
| SDWL4532C82N□STF | 0.082      | G,J,K     | 30                  | 7.9/50         | 0.4                | 500                | 700                          |
| SDWL4532C90N□STF | 0.090      | G,J,K     | 30                  | 7.9/50         | 0.45               | 500                | 700                          |
| SDWL4532C93N□STF | 0.093      | G,J,K     | 30                  | 7.9/50         | 0.45               | 500                | 700                          |
| SDWL4532CR10□STF | 0.100      | G,J,K     | 30                  | 7.9/50         | 0.5                | 500                | 700                          |
| SDWL4532CR12□STF | 0.120      | G,J,K     | 30                  | 7.9/50         | 0.5                | 500                | 700                          |
| SDWL4532CR15□STF | 0.150      | G,J,K     | 75                  | 7.9/100        | 0.3                | 1000               | 700                          |
| SDWL4532CR18□STF | 0.180      | G,J,K     | 30                  | 7.9/50         | 0.6                | 500                | 700                          |
| SDWL4532CR22□STF | 0.220      | G,J,K     | 80                  | 7.9/100        | 0.35               | 900                | 750                          |
| SDWL4532CR27□STF | 0.270      | G,J,K     | 60                  | 50/50          | 0.16               | 900                | 580                          |
| SDWL4532CR33□STF | 0.330      | G,J,K     | 80                  | 7.9/100        | 0.42               | 850                | 485                          |
| SDWL4532CR68□STF | 0.668      | G,J,K     | 50                  | 7.9/50         | 0.9                | 500                | 400                          |
| SDWL4532C1R0□STF | 1.0        | G,J,K     | 60                  | 7.9/50         | 1.2                | 480                | 250                          |
| SDWL4532C1R1□STF | 1.1        | G,J,K     | 50                  | 100/100        | 1.2                | 480                | 240                          |
| SDWL4532C1R2□STF | 1.2        | G,J,K     | 60                  | 7.9/50         | 1.2                | 480                | 230                          |
| SDWL4532C1R5□STF | 1.5        | G,J,K     | 60                  | 7.9/50         | 1.6                | 430                | 210                          |
| SDWL4532C1R6□STF | 1.6        | G,J,K     | 60                  | 7.9/50         | 1.6                | 430                | 210                          |
| SDWL4532C1R8□STF | 1.8        | G,J,K     | 55                  | 7.9/50         | 2.0                | 380                | 150                          |
| SDWL4532C2R1□STF | 2.1        | G,J,K     | 55                  | 7.9/50         | 2.2                | 340                | 150                          |
| SDWL4532C2R2□STF | 2.2        | G,J,K     | 55                  | 7.9/50         | 2.2                | 340                | 150                          |

## SPECIFICATIONS

### SDWL4532C TYPE

| Part Number      | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Max. DC Resistance | Max. Rated Current | Min. Self-resonant Frequency |
|------------------|------------|-----------|---------------------|----------------|--------------------|--------------------|------------------------------|
| Units            | uH         | -         | -                   | MHz            | $\Omega$           | mA                 | MHz                          |
| Symbol           | L          | -         | Q                   | Freq.          | DCR                | I <sub>r</sub>     | S.R.F                        |
| SDWL4532C2R7□STF | 2.7        | G,J,K     | 55                  | 7.9/50         | 3.2                | 300                | 150                          |
| SDWL4532C3R3□STF | 3.3        | G,J,K     | 55                  | 7.9/50         | 3.8                | 270                | 130                          |
| SDWL4532C3R9□STF | 3.9        | G,J,K     | 55                  | 7.9/50         | 5.0                | 240                | 120                          |
| SDWL4532C4R7□STF | 4.7        | G,J,K     | 55                  | 7.9/50         | 5.4                | 230                | 90                           |
| SDWL4532C5R6□STF | 5.6        | G,J,K     | 45                  | 7.9/50         | 5.7                | 220                | 90                           |
| SDWL4532C6R2□STF | 6.2        | G,J,K     | 35                  | 7.9/50         | 6.4                | 200                | 80                           |
| SDWL4532C6R8□STF | 6.8        | G,J,K     | 30                  | 7.9/50         | 6.6                | 210                | 80                           |
| SDWL4532C8R2□STF | 8.2        | G,J,K     | 20                  | 7.9/50         | 7.0                | 200                | 70                           |
| SDWL4532C100□STF | 10         | G,J,K     | 15                  | 7.9/50         | 7.7                | 190                | 60                           |
| SDWL4532C120□STF | 12         | G,J,K     | 30                  | 2.5/10         | 8.7                | 180                | 50                           |
| SDWL4532C150□STF | 15         | G,J,K     | 30                  | 2.5/10         | 9.6                | 170                | 30                           |
| SDWL4532C180□STF | 18         | G,J,K     | 25                  | 2.5/10         | 10.5               | 160                | 30                           |
| SDWL4532C220□STF | 22         | G,J,K     | 25                  | 2.5/10         | 11.5               | 155                | 20                           |
| SDWL4532C270□STF | 27         | G,J,K     | 25                  | 2.5/10         | 12.5               | 150                | 20                           |
| SDWL4532C330□STF | 33         | G,J,K     | 10                  | 2.5/10         | 13.5               | 145                | 10                           |

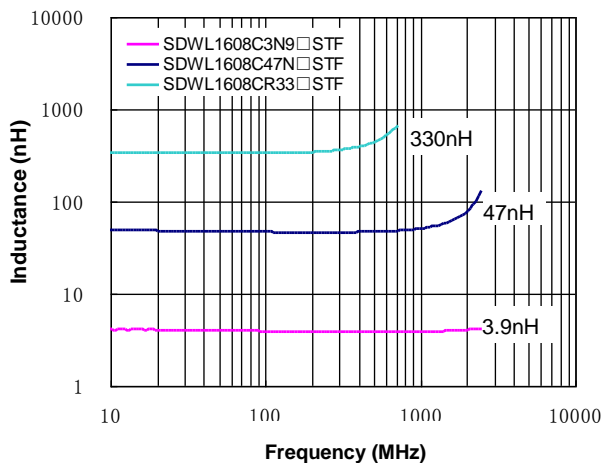
※□: Please specify the inductance tolerance code (B=±0.1nH, C=±0.2nH, S=±0.3nH, D=±0.5nH, G=±2%, H=±3%, J=±5%, K=±10%).

※: Please refer to "Measurement Notice For RF Inductors".

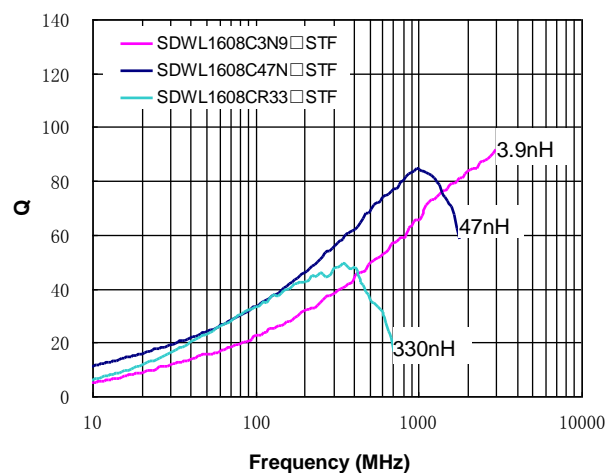
## TYPICAL ELECTRICAL CHARACTERISTICS

### SDWL1608C-S TYPE

Inductance vs. Frequency Characteristics



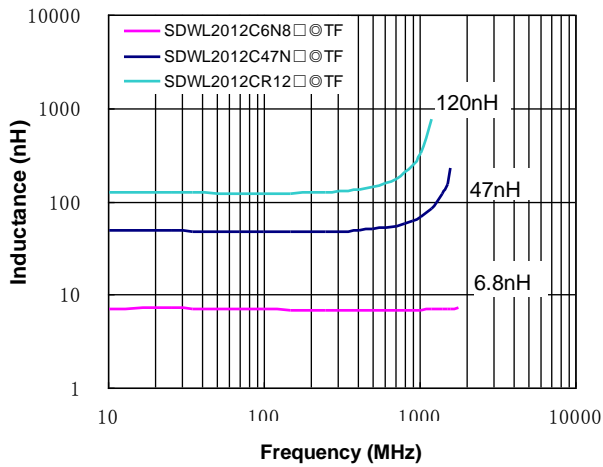
Q vs. Frequency Characteristics



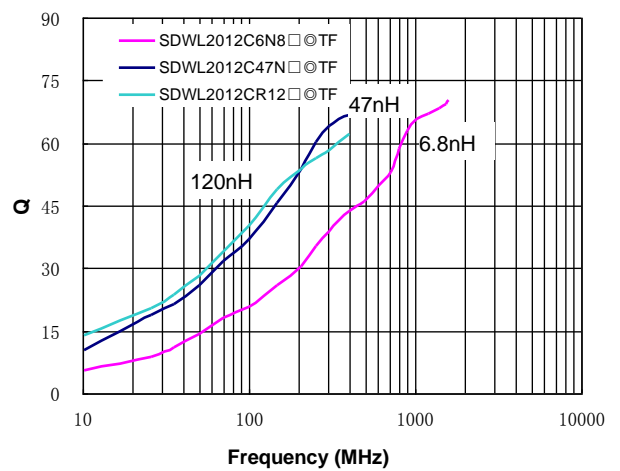
# TYPICAL ELECTRICAL CHARACTERISTICS

## SDWL2012C TYPE

Inductance vs. Frequency Characteristics

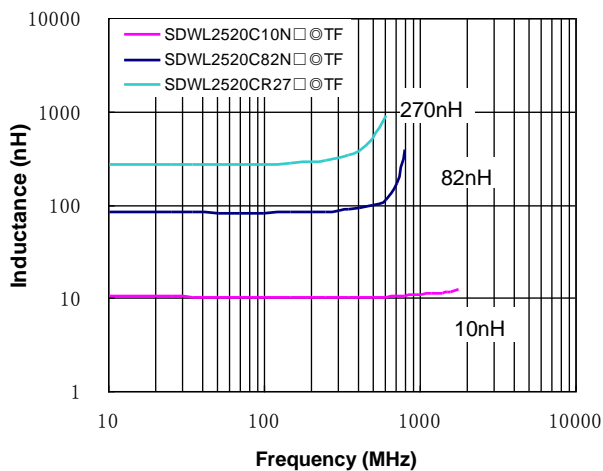


Q vs. Frequency Characteristics

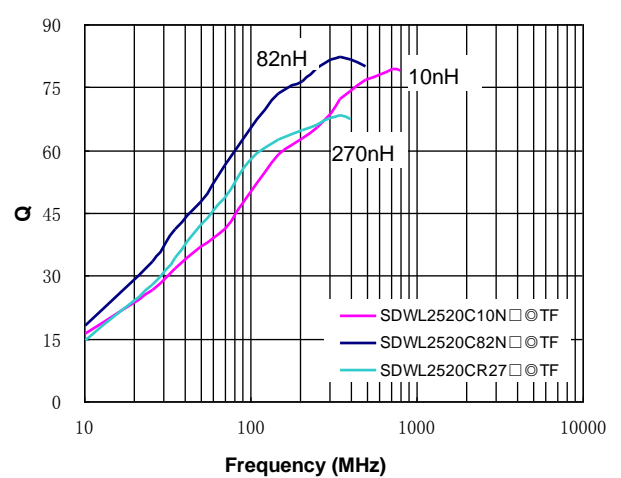


## SDWL2520C TYPE

Inductance vs. Frequency Characteristics

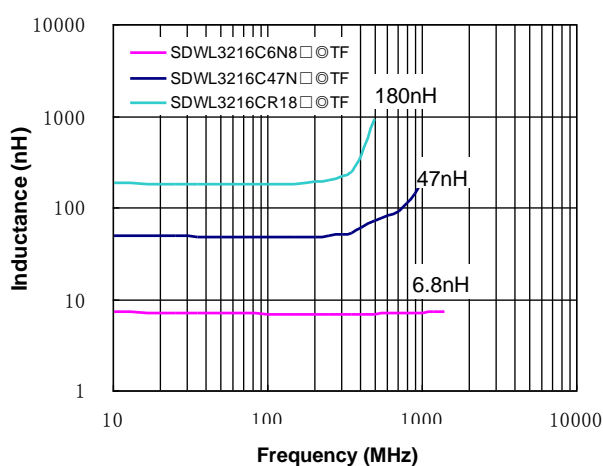


Q vs. Frequency Characteristics

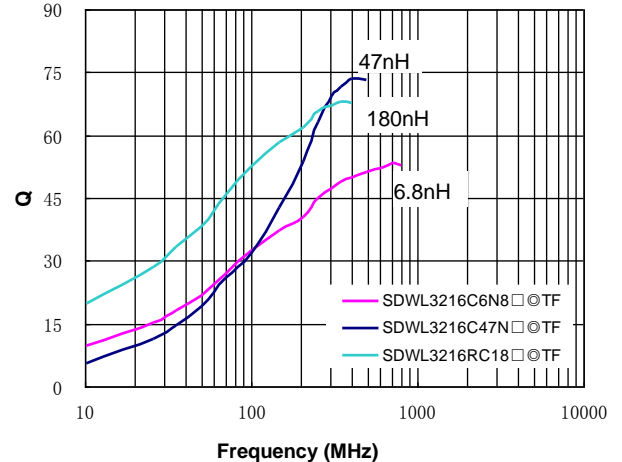


## SDWL3216C TYPE

Inductance vs. Frequency Characteristics



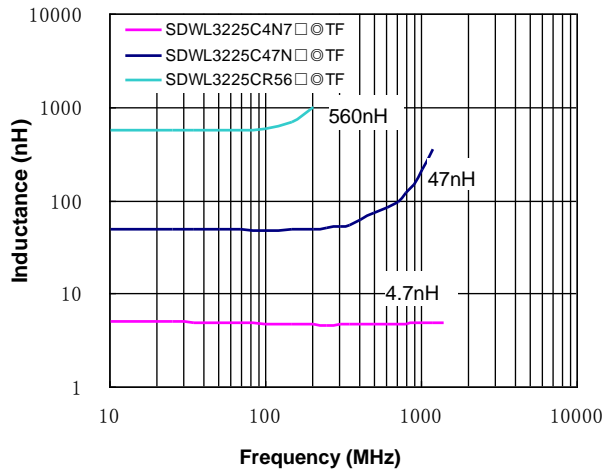
Q vs. Frequency Characteristics



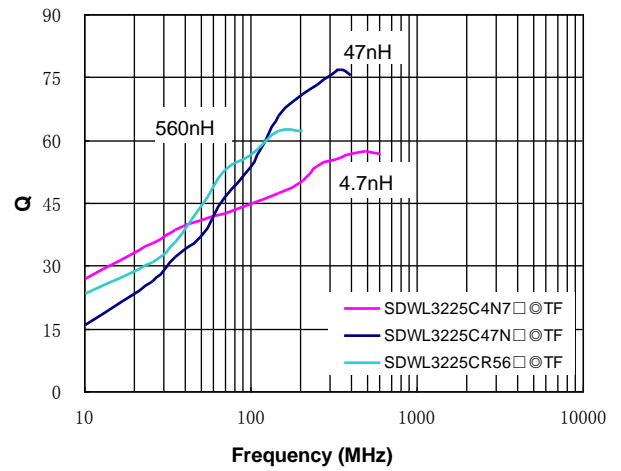
# TYPICAL ELECTRICAL CHARACTERISTICS

## SDWL3225C TYPE

Inductance vs. Frequency Characteristics

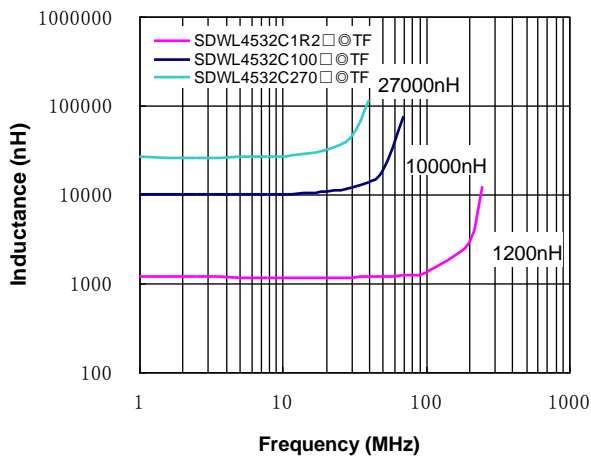


Q vs. Frequency Characteristics

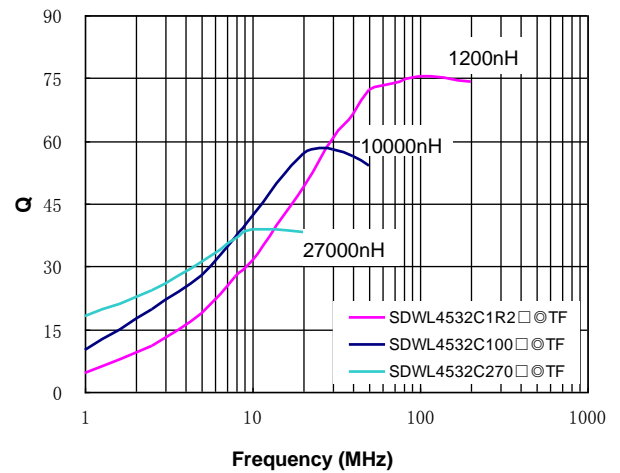


## SDWL4532C TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



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