

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 and other electronic devices
- Bluetooth, W-LAN, Broadband network

PRODUCT IDENTIFICATION

| <u>SDWL</u> ① | <u>1608</u> ② | <u>C</u> ③ | <u>10N</u> ④ | <u>J</u> ⑤ | <u>S</u> ⑥ | <u>T</u> ⑦ | <u>F</u> 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 colspan="2">1608 [0603]</td></tr> <tr><td colspan="2">2012 [0805]</td></tr> <tr><td colspan="2">2520 [1008]</td></tr> <tr><td colspan="2">3216 [1206]</td></tr> <tr><td colspan="2">3225 [1210]</td></tr> <tr><td colspan="2">4532 [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">Material Code</th></tr> <tr><td>C</td><td>Ceramic</td></tr> </table> | Material Code | | C | 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 Five-faces Coating</td></tr> </table> | Feature Type | | S | Sn Plating Five-faces Coating | <table border="1"> <tr><th colspan="2">Packing</th></tr> <tr><td>T</td><td>Tape & 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] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Material Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 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 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 | 2.25 | 1.73 | 1.50 | 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. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | I _r |
| SDWL1608C1N6□STF | 1.6 | C,S,D,K | 22 | 250 | >6000 | 0.035 | 1150 |
| SDWL1608C1N7□STF | 1.7 | C,S,D,J,K | 16 | 250 | >6000 | 0.043 | 1000 |
| SDWL1608C1N8□STF | 1.8 | C,S,D,J,K | 18 | 250 | >6000 | 0.043 | 1000 |
| SDWL1608C2N2□STF | 2.2 | S,D,K | 13 | 250 | >6000 | 0.15 | 700 |
| SDWL1608C2N7□STF | 2.7 | C,S,D,J,K | 25 | 250 | >6000 | 0.043 | 1000 |
| SDWL1608C3N3□STF | 3.3 | C,S,D,J,K | 25 | 250 | >6000 | 0.059 | 850 |
| SDWL1608C3N6□STF | 3.6 | C,S,D,J,K | 25 | 250 | >6000 | 0.059 | 850 |
| SDWL1608C3N9□STF | 3.9 | C,S,D,J,K | 25 | 250 | >6000 | 0.059 | 850 |
| SDWL1608C4N3□STF | 4.3 | C,S,D,J,K | 25 | 250 | >6000 | 0.059 | 850 |
| SDWL1608C4N7□STF | 4.7 | C,S,D,J,K | 25 | 250 | >6000 | 0.065 | 800 |
| SDWL1608C5N1□STF | 5.1 | C,S,D,J,K | 21 | 250 | >6000 | 0.130 | 600 |
| SDWL1608C6N2□STF | 6.2 | C,S,D,J,K | 29 | 250 | >6000 | 0.095 | 700 |
| SDWL1608C6N8□STF | 6.8 | G,H,J,K | 29 | 250 | >6000 | 0.095 | 700 |
| SDWL1608C7N5□STF | 7.5 | G,H,J,K | 33 | 250 | >6000 | 0.095 | 700 |
| SDWL1608C8N2□STF | 8.2 | G,H,J,K | 31 | 250 | >6000 | 0.095 | 700 |
| SDWL1608C8N7□STF | 8.7 | G,H,J,K | 31 | 250 | >6000 | 0.095 | 700 |
| SDWL1608C9N1□STF | 9.1 | G,H,J,K | 30 | 250 | 6000 | 0.12 | 620 |
| SDWL1608C9N5□STF | 9.5 | G,H,J,K | 26 | 250 | 6000 | 0.16 | 540 |
| SDWL1608C10N□STF | 10 | G,H,J,K | 30 | 250 | 6000 | 0.13 | 600 |
| SDWL1608C11N□STF | 11 | G,H,J,K | 35 | 250 | 6000 | 0.13 | 600 |
| SDWL1608C12N□STF | 12 | G,H,J,K | 35 | 250 | 6000 | 0.13 | 600 |
| SDWL1608C13N□STF | 13 | G,H,J,K | 35 | 250 | 6000 | 0.13 | 600 |
| SDWL1608C15N□STF | 15 | G,H,J,K | 37 | 250 | 6000 | 0.15 | 550 |
| SDWL1608C16N□STF | 16 | G,H,J,K | 37 | 250 | 5500 | 0.15 | 550 |

SPECIFICATIONS

SDWL1608C-S TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | I _r |
| SDWL1608C17N□STF | 17 | G,H,J,K | 37 | 250 | 5500 | 0.15 | 550 |
| SDWL1608C18N□STF | 18 | G,H,J,K | 37 | 250 | 5500 | 0.15 | 550 |
| SDWL1608C20N□STF | 20 | G,H,J,K | 37 | 250 | 4900 | 0.15 | 550 |
| SDWL1608C22N□STF | 22 | G,H,J,K | 38 | 250 | 4600 | 0.19 | 490 |
| SDWL1608C23N□STF | 23 | G,H,J,K | 40 | 250 | 3800 | 0.19 | 490 |
| SDWL1608C24N□STF | 24 | G,H,J,K | 40 | 250 | 3800 | 0.19 | 490 |
| SDWL1608C25N□STF | 25 | G,H,J,K | 40 | 250 | 3700 | 0.19 | 490 |
| SDWL1608C27N□STF | 27 | G,H,J,K | 38 | 250 | 3700 | 0.19 | 490 |
| SDWL1608C30N□STF | 30 | G,H,J,K | 38 | 250 | 3300 | 0.21 | 470 |
| SDWL1608C33N□STF | 33 | G,H,J,K | 40 | 250 | 3200 | 0.21 | 470 |
| SDWL1608C36N□STF | 36 | G,H,J,K | 40 | 250 | 2900 | 0.22 | 460 |
| SDWL1608C39N□STF | 39 | G,H,J,K | 40 | 250 | 2800 | 0.22 | 460 |
| SDWL1608C43N□STF | 43 | G,H,J,K | 40 | 250 | 2700 | 0.27 | 400 |
| SDWL1608C47N□STF | 47 | G,H,J,K | 36 | 200 | 2600 | 0.27 | 400 |
| SDWL1608C51N□STF | 51 | G,H,J,K | 35 | 200 | 2400 | 0.3 | 390 |
| SDWL1608C56N□STF | 56 | G,H,J,K | 38 | 200 | 2400 | 0.35 | 360 |
| SDWL1608C62N□STF | 62 | G,H,J,K | 36 | 200 | 2300 | 0.38 | 350 |
| SDWL1608C68N□STF | 68 | G,H,J,K | 36 | 200 | 2200 | 0.38 | 350 |
| SDWL1608C72N□STF | 72 | G,H,J,K | 34 | 150 | 2100 | 0.43 | 320 |
| SDWL1608C82N□STF | 82 | G,H,J,K | 34 | 150 | 2000 | 0.5 | 300 |
| SDWL1608C90N□STF | 90 | G,H,J,K | 34 | 150 | 1900 | 0.52 | 300 |
| SDWL1608C91N□STF | 91 | G,H,J,K | 34 | 150 | 1900 | 0.52 | 300 |
| SDWL1608CR10□STF | 100 | G,H,J,K | 31 | 150 | 1800 | 0.66 | 260 |
| SDWL1608CR11□STF | 110 | G,H,J,K | 32 | 150 | 1700 | 0.73 | 250 |
| SDWL1608CR12□STF | 120 | G,H,J,K | 32 | 150 | 1600 | 0.75 | 240 |
| SDWL1608CR13□STF | 130 | G,H,J,K | 32 | 150 | 1500 | 0.750 | 240 |
| SDWL1608CR14□STF | 140 | G,H,J,K | 32 | 150 | 1400 | 1.1 | 200 |
| SDWL1608CR15□STF | 150 | G,H,J,K | 32 | 150 | 1400 | 1.12 | 200 |
| SDWL1608CR16□STF | 160 | G,H,J,K | 32 | 150 | 1400 | 1.12 | 200 |
| SDWL1608CR18□STF | 180 | G,H,J,K | 25 | 100 | 1300 | 1.38 | 180 |
| SDWL1608CR20□STF | 200 | G,H,J,K | 25 | 100 | 1250 | 1.9 | 150 |
| SDWL1608CR21□STF | 210 | G,H,J,K | 25 | 100 | 1250 | 1.9 | 150 |
| SDWL1608CR22□STF | 220 | G,H,J,K | 25 | 100 | 1200 | 2.1 | 140 |
| SDWL1608CR24□STF | 240 | G,H,J,K | 25 | 100 | 1100 | 2.75 | 120 |
| SDWL1608CR25□STF | 250 | G,H,J,K | 25 | 100 | 1100 | 2.8 | 120 |
| SDWL1608CR27□STF | 270 | G,H,J,K | 26 | 100 | 960 | 3 | 120 |
| SDWL1608CR30□STF | 300 | G,H,J,K | 26 | 100 | 900 | 4.05 | 110 |
| SDWL1608CR33□STF | 330 | G,H,J,K | 26 | 100 | 800 | 4.2 | 100 |
| SDWL1608CR39□STF | 390 | G,H,J,K | 27 | 100 | 800 | 4.5 | 100 |
| SDWL1608CR42□STF | 420 | G,H,J,K | 27 | 100 | 800 | 5.4 | 90 |
| SDWL1608CR47□STF | 470 | G,H,J,K | 27 | 100 | 700 | 5.7 | 90 |
| SDWL1608CR56□STF | 560 | G,H,J,K | 27 | 100 | 650 | 8.1 | 70 |

SPECIFICATIONS

SDWL2012C TYPE

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

SPECIFICATIONS

SDWL2012C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|-------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | Ir |
| SDWL2012C56N□STF | 56 | G,J,K | 55 | 200/500 | 1550 | 0.32 | 500 |
| SDWL2012C62N□STF | 62 | G,J,K | 50 | 200/500 | 1400 | 0.35 | 500 |
| SDWL2012C66N□STF | 66 | G,J,K | 45 | 200/500 | 1200 | 0.4 | 500 |
| SDWL2012C68N□STF | 68 | G,J,K | 55 | 200/500 | 1450 | 0.38 | 500 |
| SDWL2012C70N□STF | 70 | G,J,K | 60 | 200/500 | 1400 | 0.38 | 500 |
| SDWL2012C72N□STF | 72 | G,J,K | 50 | 200/500 | 1400 | 0.30 | 400 |
| SDWL2012C75N□STF | 75 | G,J,K | 50 | 150/500 | 1400 | 0.40 | 400 |
| SDWL2012C78N□STF | 78 | G,J,K | 60 | 150/500 | 1400 | 0.42 | 400 |
| SDWL2012C82N□STF | 82 | G,J,K | 50 | 150/500 | 1300 | 0.42 | 400 |
| SDWL2012C85N□STF | 85 | G,J,K | 40 | 150/150 | 1020 | 0.42 | 400 |
| SDWL2012C89N□STF | 89 | G,J,K | 60 | 150/500 | 1300 | 0.4 | 400 |
| SDWL2012C91N□STF | 91 | G,J,K | 65 | 150/500 | 1200 | 0.48 | 400 |
| SDWL2012C92N□STF | 92 | G,J,K | 45 | 150/500 | 1300 | 0.42 | 350 |
| SDWL2012CR10□STF | 100 | G,J,K | 50 | 150/500 | 1200 | 0.46 | 400 |
| SDWL2012CR11□STF | 110 | G,J,K | 50 | 150/250 | 1100 | 0.48 | 400 |
| SDWL2012CR12□STF | 120 | G,J,K | 50 | 150/250 | 1100 | 0.51 | 400 |
| SDWL2012CR13□STF | 130 | G,J,K | 55 | 150/250 | 1200 | 0.5 | 400 |
| SDWL2012CR14□STF | 140 | G,J,K | 50 | 100/250 | 1100 | 0.56 | 400 |
| SDWL2012CR144□STF | 144 | G,J,K | 50 | 100/250 | 1000 | 0.52 | 400 |
| SDWL2012CR15□STF | 150 | G,J,K | 50 | 100/250 | 920 | 0.56 | 400 |
| SDWL2012CR16□STF | 160 | G,J,K | 45 | 100/250 | 900 | 0.8 | 400 |
| SDWL2012CR18□STF | 180 | G,J,K | 50 | 100/250 | 870 | 0.64 | 400 |
| SDWL2012CR20□STF | 200 | G,J,K | 45 | 100/250 | 900 | 0.64 | 400 |
| SDWL2012CR22□STF | 220 | G,J,K | 45 | 100/250 | 850 | 1.1 | 400 |
| SDWL2012CR23□STF | 230 | G,J,K | 40 | 100/250 | 770 | 1.2 | 400 |
| SDWL2012CR24□STF | 240 | G,J,K | 40 | 100/250 | 770 | 1.2 | 400 |
| SDWL2012CR27□STF | 270 | G,J,K | 38 | 100/250 | 650 | 1 | 350 |
| SDWL2012CR28□STF | 280 | G,J,K | 38 | 100/100 | 750 | 1.2 | 150 |
| SDWL2012CR29□STF | 290 | G,J,K | 38 | 100/100 | 750 | 1.2 | 150 |
| SDWL2012CR30□STF | 300 | G,J,K | 40 | 100/250 | 750 | 1.5 | 310 |
| SDWL2012CR33□STF | 330 | G,J,K | 40 | 100/250 | 600 | 1.4 | 310 |
| SDWL2012CR35□STF | 350 | G,J,K | 35 | 100/250 | 500 | 1.4 | 300 |
| SDWL2012CR36□STF | 360 | G,J,K | 35 | 100/250 | 560 | 1.5 | 290 |
| SDWL2012CR39□STF | 390 | G,J,K | 35 | 100/250 | 560 | 1.5 | 290 |
| SDWL2012CR41□STF | 410 | G,J,K | 35 | 100/250 | 560 | 1.5 | 290 |
| SDWL2012CR43□STF | 430 | G,J,K | 28 | 50/100 | 430 | 1.2 | 230 |
| SDWL2012CR47□STF | 470 | G,J,K | 33 | 50/100 | 375 | 1.72 | 250 |
| SDWL2012CR49□STF | 490 | G,J,K | 33 | 50/100 | 330 | 1.8 | 230 |
| SDWL2012CR50□STF | 500 | G,J,K | 23 | 25/50 | 330 | 1.8 | 230 |
| SDWL2012CR51□STF | 510 | G,J,K | 20 | 25/50 | 300 | 1.5 | 230 |
| SDWL2012CR54□STF | 540 | G,J,K | 23 | 25/50 | 300 | 1.9 | 230 |
| SDWL2012CR56□STF | 560 | G,J,K | 23 | 25/50 | 320 | 1.9 | 230 |
| SDWL2012CR62□STF | 620 | G,J,K | 23 | 25/50 | 280 | 1.95 | 200 |
| SDWL2012CR65□STF | 650 | G,J,K | 23 | 25/50 | 270 | 2 | 200 |
| SDWL2012CR68□STF | 680 | G,J,K | 23 | 25/50 | 270 | 2.05 | 190 |
| SDWL2012CR72□STF | 720 | G,J,K | 22 | 25/50 | 240 | 2.1 | 180 |
| SDWL2012CR75□STF | 750 | G,J,K | 23 | 25/50 | 240 | 2.1 | 180 |

SPECIFICATIONS

SDWL2012C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | Ir |
| SDWL2012CR82□STF | 820 | G,J,K | 23 | 25/50 | 250 | 2.3 | 180 |
| SDWL2012CR86□STF | 860 | G,J,K | 22 | 25/50 | 230 | 2.3 | 160 |
| SDWL2012CR91□STF | 910 | G,J,K | 22 | 25/50 | 230 | 2.4 | 160 |
| SDWL2012C1R0□STF | 1000 | G,J,K | 20 | 25/50 | 200 | 2.5 | 150 |
| SDWL2012C1R2□STF | 1200 | G,J,K | 18 | 25/50 | 200 | 3.5 | 100 |
| SDWL2012C1R5□STF | 1500 | G,J,K | 15 | 25/50 | 130 | 2.9 | 100 |
| SDWL2012C1R8□STF | 1800 | G,J,K | 15 | 7.9/25 | 120 | 3.5 | 120 |
| SDWL2012C2R0□STF | 2000 | G,J,K | 15 | 7.9/25 | 80 | 4.3 | 100 |
| SDWL2012C2R2□STF | 2200 | G,J,K | 16 | 7.9/25 | 70 | 4.6 | 100 |
| SDWL2012C2R7□STF | 2700 | G,J,K | 15 | 7.9/7.9 | 120 | 5 | 80 |
| SDWL2012C3R3□STF | 3300 | G,J,K | 10 | 7.9/7.9 | 80 | 5.4 | 50 |
| SDWL2012C3R9□STF | 3900 | G,J,K | 10 | 7.9/7.9 | 80 | 5.4 | 40 |
| SDWL2012C4R7□STF | 4700 | G,J,K | 18 | 7.9/25 | 70 | 8.2 | 30 |

SDWL2520C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | Ir |
| SDWL2520C3N6□STF | 3.6 | J,K | 50 | 50/1500 | >6000 | 0.05 | 1000 |
| SDWL2520C3N9□STF | 3.9 | J,K | 50 | 50/1500 | >6000 | 0.1 | 1000 |
| SDWL2520C4N1□STF | 4.1 | J,K | 75 | 50/1500 | >6000 | 0.05 | 1000 |
| SDWL2520C4N7□STF | 4.7 | J,K | 50 | 50/1500 | >6000 | 0.11 | 1000 |
| SDWL2520C5N6□STF | 5.6 | J,K | 55 | 50/1500 | >6000 | 0.14 | 1000 |
| SDWL2520C6N8□STF | 6.8 | J,K | 45 | 250/250 | >6000 | 0.08 | 1000 |
| SDWL2520C8N2□STF | 8.2 | J,K | 60 | 50/1500 | 5500 | 0.05 | 1000 |
| SDWL2520C10N□STF | 10 | G,J,K | 50 | 50/500 | 4100 | 0.08 | 1000 |
| SDWL2520C12N□STF | 12 | G,J,K | 50 | 50/500 | 3300 | 0.09 | 1000 |
| SDWL2520C15N□STF | 15 | G,J,K | 50 | 50/500 | 2500 | 0.13 | 1000 |
| SDWL2520C16N□STF | 16 | G,J,K | 35 | 50/350 | 2500 | 0.2 | 1000 |
| SDWL2520C18N□STF | 18 | G,J,K | 50 | 50/350 | 2500 | 0.11 | 1000 |
| SDWL2520C20N□STF | 20 | G,J,K | 50 | 50/350 | 2400 | 0.12 | 900 |
| SDWL2520C22N□STF | 22 | G,J,K | 55 | 50/350 | 2400 | 0.12 | 1000 |
| SDWL2520C24N□STF | 24 | G,J,K | 55 | 50/350 | 1600 | 0.13 | 1000 |
| SDWL2520C27N□STF | 27 | G,J,K | 55 | 50/350 | 1600 | 0.13 | 1000 |
| SDWL2520C28N□STF | 28 | G,J,K | 70 | 50/350 | 1800 | 0.095 | 1000 |
| SDWL2520C30N□STF | 30 | G,J,K | 45 | 50/350 | 1700 | 0.20 | 1000 |
| SDWL2520C33N□STF | 33 | G,J,K | 60 | 50/350 | 1600 | 0.14 | 1000 |
| SDWL2520C36N□STF | 36 | G,J,K | 60 | 50/350 | 1600 | 0.14 | 1000 |
| SDWL2520C39N□STF | 39 | G,J,K | 50 | 50/350 | 1500 | 0.15 | 1000 |
| SDWL2520C43N□STF | 43 | G,J,K | 65 | 50/350 | 1600 | 0.16 | 1000 |
| SDWL2520C44N□STF | 44 | G,J,K | 60 | 50/350 | 1500 | 0.15 | 1000 |
| SDWL2520C47N□STF | 47 | G,J,K | 65 | 50/350 | 1500 | 0.16 | 1000 |
| SDWL2520C48N□STF | 48 | G,J,K | 60 | 50/350 | 1400 | 0.16 | 1000 |
| SDWL2520C51N□STF | 51 | G,J,K | 65 | 50/350 | 1150 | 0.2 | 1000 |
| SDWL2520C52N□STF | 52 | G,J,K | 65 | 50/350 | 1150 | 0.2 | 1000 |
| SDWL2520C56N□STF | 56 | G,J,K | 50 | 50/350 | 1300 | 0.18 | 1000 |
| SDWL2520C60N□STF | 60 | G,J,K | 50 | 50/350 | 1200 | 0.21 | 1000 |

SPECIFICATIONS

SDWL2520C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | I _r |
| SDWL2520C62N□STF | 62 | G,J,K | 50 | 50/350 | 1200 | 0.21 | 1000 |
| SDWL2520C64N□STF | 64 | G,J,K | 65 | 50/350 | 1200 | 0.19 | 1000 |
| SDWL2520C65N□STF | 65 | G,J,K | 50 | 50/350 | 1200 | 0.12 | 1000 |
| SDWL2520C66N□STF | 66 | G,J,K | 60 | 50/350 | 1200 | 0.19 | 800 |
| SDWL2520C68N□STF | 68 | G,J,K | 65 | 50/350 | 1200 | 0.21 | 1000 |
| SDWL2520C72N□STF | 72 | G,J,K | 50 | 50/350 | 1200 | 0.22 | 900 |
| SDWL2520C75N□STF | 75 | G,J,K | 50 | 50/350 | 1200 | 0.22 | 900 |
| SDWL2520C80N□STF | 80 | G,J,K | 60 | 50/350 | 1000 | 0.22 | 1000 |
| SDWL2520C82N□STF | 82 | G,J,K | 60 | 50/350 | 800 | 0.22 | 1000 |
| SDWL2520C91N□STF | 91 | G,J,K | 55 | 50/350 | 800 | 0.3 | 800 |
| SDWL2520CR10□STF | 100 | G,J,K | 60 | 25/350 | 1000 | 0.56 | 650 |
| SDWL2520CR11□STF | 110 | G,J,K | 35 | 100/100 | 950 | 0.85 | 650 |
| SDWL2520CR12□STF | 120 | G,J,K | 60 | 25/350 | 950 | 0.63 | 650 |
| SDWL2520CR13□STF | 130 | G,J,K | 70 | 25/350 | 950 | 0.045 | 650 |
| SDWL2520CR15□STF | 150 | G,J,K | 50 | 25/100 | 800 | 0.62 | 580 |
| SDWL2520CR17□STF | 170 | G,J,K | 45 | 25/100 | 650 | 0.77 | 500 |
| SDWL2520CR18□STF | 180 | G,J,K | 50 | 25/100 | 750 | 0.70 | 620 |
| SDWL2520CR20□STF | 200 | G,J,K | 45 | 25/100 | 700 | 0.45 | 450 |
| SDWL2520CR22□STF | 220 | G,J,K | 50 | 25/100 | 630 | 0.80 | 500 |
| SDWL2520CR23□STF | 230 | G,J,K | 50 | 25/100 | 600 | 0.85 | 500 |
| SDWL2520CR24□STF | 240 | G,J,K | 50 | 25/100 | 550 | 0.9 | 500 |
| SDWL2520CR26□STF | 260 | G,J,K | 50 | 25/100 | 600 | 0.91 | 500 |
| SDWL2520CR27□STF | 270 | G,J,K | 50 | 25/100 | 600 | 0.91 | 500 |
| SDWL2520CR29□STF | 290 | G,J,K | 45 | 25/100 | 550 | 1 | 500 |
| SDWL2520CR30□STF | 300 | G,J,K | 45 | 25/100 | 450 | 1 | 500 |
| SDWL2520CR33□STF | 330 | G,J,K | 50 | 25/100 | 530 | 1.05 | 450 |
| SDWL2520CR35□STF | 350 | G,J,K | 50 | 25/100 | 500 | 1.06 | 470 |
| SDWL2520CR36□STF | 360 | G,J,K | 50 | 25/100 | 500 | 1.06 | 470 |
| SDWL2520CR39□STF | 390 | G,J,K | 50 | 25/100 | 480 | 1.12 | 470 |
| SDWL2520CR40□STF | 400 | G,J,K | 50 | 25/100 | 480 | 1.12 | 470 |
| SDWL2520CR43□STF | 430 | G,J,K | 50 | 25/100 | 480 | 1.15 | 450 |
| SDWL2520CR47□STF | 470 | G,J,K | 50 | 25/100 | 450 | 1.19 | 470 |
| SDWL2520CR50□STF | 500 | G,J,K | 30 | 25/25 | 400 | 0.90 | 200 |
| SDWL2520CR51□STF | 510 | G,J,K | 50 | 25/100 | 380 | 1.25 | 420 |
| SDWL2520CR52□STF | 520 | G,J,K | 50 | 25/100 | 380 | 1.25 | 420 |
| SDWL2520CR53□STF | 530 | G,J,K | 50 | 25/100 | 380 | 1.25 | 420 |
| SDWL2520CR54□STF | 540 | G,J,K | 45 | 25/100 | 435 | 1.3 | 400 |
| SDWL2520CR56□STF | 560 | G,J,K | 50 | 25/100 | 390 | 1.33 | 400 |
| SDWL2520CR62□STF | 620 | G,J,K | 45 | 25/100 | 375 | 1.4 | 300 |
| SDWL2520CR64□STF | 640 | G,J,K | 45 | 25/100 | 375 | 1.47 | 300 |
| SDWL2520CR68□STF | 680 | G,J,K | 45 | 25/100 | 360 | 1.47 | 400 |
| SDWL2520CR72□STF | 720 | G,J,K | 45 | 25/100 | 370 | 1.47 | 360 |
| SDWL2520CR75□STF | 750 | G,J,K | 45 | 25/100 | 360 | 1.54 | 360 |
| SDWL2520CR77□STF | 770 | G,J,K | 45 | 25/100 | 350 | 1.54 | 360 |
| SDWL2520CR82□STF | 820 | G,J,K | 45 | 25/100 | 330 | 1.61 | 400 |
| SDWL2520CR86□STF | 860 | G,J,K | 40 | 25/100 | 330 | 1.61 | 380 |
| SDWL2520CR91□STF | 910 | G,J,K | 35 | 25/50 | 295 | 1.68 | 380 |
| SDWL2520C1R0□STF | 1000 | G,J,K | 35 | 25/50 | 270 | 1.80 | 370 |
| SDWL2520C1R2□STF | 1200 | G,J,K | 35 | 7.9/50 | 200 | 2 | 310 |

SPECIFICATIONS

SDWL2520C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | Ir |
| SDWL2520C1R5□STF | 1500 | G,J,K | 28 | 7.9/50 | 150 | 2.3 | 330 |
| SDWL2520C1R8□STF | 1800 | G,J,K | 28 | 7.9/50 | 120 | 2.6 | 300 |
| SDWL2520C2R0□STF | 2000 | G,J,K | 22 | 7.9/25 | 100 | 2.8 | 280 |
| SDWL2520C2R2□STF | 2200 | G,J,K | 22 | 7.9/25 | 100 | 2.8 | 280 |
| SDWL2520C2R7□STF | 2700 | G,J,K | 22 | 7.9/25 | 90 | 3.2 | 290 |
| SDWL2520C3R0□STF | 3000 | G,J,K | 20 | 7.9/25 | 50 | 3.2 | 290 |
| SDWL2520C3R3□STF | 3300 | G,J,K | 22 | 7.9/25 | 70 | 3.4 | 290 |
| SDWL2520C3R6□STF | 3600 | G,J,K | 20 | 7.9/25 | 60 | 3.8 | 250 |
| SDWL2520C3R9□STF | 3900 | G,J,K | 17 | 7.9/25 | 60 | 3.6 | 260 |
| SDWL2520C4R3□STF | 4300 | G,J,K | 13 | 7.9/25 | 30 | 3.9 | 260 |
| SDWL2520C4R7□STF | 4700 | G,J,K | 20 | 7.9/25 | 50 | 4 | 260 |
| SDWL2520C5R1□STF | 5100 | G,J,K | 20 | 7.9/25 | 40 | 6.2 | 200 |
| SDWL2520C5R6□STF | 5600 | G,J,K | 20 | 7.9/25 | 40 | 5.7 | 240 |
| SDWL2520C6R8□STF | 6800 | G,J,K | 20 | 7.9/25 | 40 | 7.7 | 200 |
| SDWL2520C7R5□STF | 7500 | G,J,K | 20 | 7.9/25 | 50 | 10 | 180 |
| SDWL2520C8R2□STF | 8200 | G,J,K | 20 | 7.9/7.9 | 30 | 10.7 | 150 |
| SDWL2520C9R1□STF | 9100 | G,J,K | 18 | 7.9/25 | 40 | 12 | 80 |
| SDWL2520C100□STF | 10000 | G,J,K | 20 | 7.9/7.9 | 40 | 8.5 | 100 |
| SDWL2520C180□STF | 18000 | G,J,K | 15 | 7.9/7.9 | 10 | 13 | 80 |
| SDWL2520C220□STF | 22000 | G,J,K | 20 | 7.9/7.9 | 20 | 18 | 70 |

SDWL3216C TYPE

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

SPECIFICATIONS

SDWL3216C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | Ir |
| SDWL3216CR22□STF | 220 | G,J,K | 60 | 50/300 | 760 | 0.56 | 670 |
| SDWL3216CR27□STF | 270 | G,J,K | 50 | 50/300 | 730 | 0.56 | 630 |
| SDWL3216CR29□STF | 290 | G,J,K | 50 | 50/250 | 700 | 0.6 | 610 |
| SDWL3216CR33□STF | 330 | G,J,K | 45 | 50/150 | 650 | 0.7 | 590 |
| SDWL3216CR39□STF | 390 | G,J,K | 45 | 50/150 | 600 | 0.8 | 530 |
| SDWL3216CR47□STF | 470 | G,J,K | 45 | 50/150 | 550 | 1.3 | 490 |
| SDWL3216CR56□STF | 560 | G,J,K | 45 | 35/150 | 470 | 1.34 | 460 |
| SDWL3216CR62□STF | 620 | G,J,K | 50 | 35/150 | 450 | 1.58 | 430 |
| SDWL3216CR68□STF | 680 | G,J,K | 45 | 35/150 | 450 | 1.58 | 430 |
| SDWL3216CR82□STF | 820 | G,J,K | 45 | 35/150 | 420 | 1.82 | 400 |
| SDWL3216CR91□STF | 910 | G,J,K | 45 | 35/150 | 400 | 2.6 | 320 |
| SDWL3216C1R0□STF | 1000 | G,J,K | 45 | 35/150 | 400 | 2.8 | 320 |
| SDWL3216C1R2□STF | 1200 | G,J,K | 45 | 35/150 | 380 | 3.2 | 300 |

SDWL3225C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | Ir |
| SDWL3225C3N9□STF | 3.9 | J,K | 30 | 100/300 | 6000 | 0.05 | 1000 |
| SDWL3225C4N7□STF | 4.7 | J,K | 30 | 100/300 | 5800 | 0.065 | 1000 |
| SDWL3225C8N2□STF | 8.2 | J,K | 30 | 100/300 | 5500 | 0.07 | 1000 |
| SDWL3225C10N□STF | 10 | G,J,K | 40 | 100/300 | 4000 | 0.08 | 1000 |
| SDWL3225C12N□STF | 12 | G,J,K | 40 | 100/300 | 3200 | 0.08 | 1000 |
| SDWL3225C15N□STF | 15 | G,J,K | 40 | 100/300 | 3200 | 0.1 | 1000 |
| SDWL3225C18N□STF | 18 | G,J,K | 50 | 100/300 | 2800 | 0.1 | 1000 |
| SDWL3225C22N□STF | 22 | G,J,K | 50 | 100/300 | 2200 | 0.1 | 1000 |
| SDWL3225C27N□STF | 27 | G,J,K | 50 | 100/300 | 1800 | 0.11 | 1000 |
| SDWL3225C30N□STF | 30 | G,J,K | 50 | 100/300 | 1800 | 0.11 | 900 |
| SDWL3225C33N□STF | 33 | G,J,K | 55 | 100/300 | 1800 | 0.11 | 1000 |
| SDWL3225C39N□STF | 39 | G,J,K | 55 | 100/300 | 1500 | 0.12 | 1000 |
| SDWL3225C43N□STF | 43 | G,J,K | 55 | 100/300 | 1500 | 0.12 | 1000 |
| SDWL3225C47N□STF | 47 | G,J,K | 55 | 100/300 | 1500 | 0.13 | 1000 |
| SDWL3225C51N□STF | 51 | G,J,K | 50 | 100/300 | 1500 | 0.14 | 1000 |
| SDWL3225C56N□STF | 56 | G,J,K | 55 | 100/300 | 1450 | 0.14 | 1000 |
| SDWL3225C68N□STF | 68 | G,J,K | 55 | 100/300 | 1200 | 0.15 | 900 |
| SDWL3225C82N□STF | 82 | G,J,K | 55 | 100/300 | 1000 | 0.2 | 900 |
| SDWL3225CR10□STF | 100 | G,J,K | 55 | 100/300 | 900 | 0.2 | 850 |
| SDWL3225CR12□STF | 120 | G,J,K | 60 | 100/300 | 800 | 0.25 | 800 |
| SDWL3225CR13□STF | 130 | G,J,K | 60 | 100/300 | 700 | 0.25 | 750 |
| SDWL3225CR15□STF | 150 | G,J,K | 60 | 100/300 | 700 | 0.25 | 750 |
| SDWL3225CR18□STF | 180 | G,J,K | 60 | 50/300 | 650 | 0.3 | 700 |
| SDWL3225CR22□STF | 220 | G,J,K | 60 | 50/300 | 650 | 0.4 | 770 |
| SDWL3225CR24□STF | 240 | G,J,K | 60 | 50/300 | 580 | 0.4 | 500 |
| SDWL3225CR27□STF | 270 | G,J,K | 40 | 50/300 | 580 | 0.4 | 630 |
| SDWL3225CR29□STF | 290 | G,J,K | 45 | 50/150 | 580 | 0.45 | 600 |
| SDWL3225CR33□STF | 330 | G,J,K | 45 | 50/150 | 580 | 0.58 | 590 |

SPECIFICATIONS

SDWL3225C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | Ir |
| SDWL3225CR39□STF | 390 | G,J,K | 45 | 50/150 | 510 | 0.58 | 530 |
| SDWL3225CR47□STF | 470 | G,J,K | 45 | 50/150 | 480 | 0.8 | 490 |
| SDWL3225CR56□STF | 560 | G,J,K | 45 | 35/150 | 420 | 1.1 | 460 |
| SDWL3225CR60□STF | 600 | G,J,K | 45 | 35/150 | 420 | 1.15 | 450 |
| SDWL3225CR68□STF | 680 | G,J,K | 45 | 35/150 | 400 | 1.2 | 430 |
| SDWL3225CR82□STF | 820 | G,J,K | 45 | 35/150 | 370 | 1.82 | 400 |
| SDWL3225C1R0□STF | 1000 | G,J,K | 45 | 35/150 | 340 | 1.85 | 320 |
| SDWL3225C1R2□STF | 1200 | G,J,K | 35 | 35/150 | 220 | 1.87 | 300 |
| SDWL3225C1R5□STF | 1500 | G,J,K | 20 | 7.9/50 | 160 | 1.95 | 310 |
| SDWL3225C1R8□STF | 1800 | G,J,K | 30 | 7.9/50 | 160 | 2.25 | 310 |
| SDWL3225C2R2□STF | 2200 | G,J,K | 25 | 7.9/50 | 130 | 2.41 | 310 |
| SDWL3225C2R7□STF | 2700 | G,J,K | 25 | 7.9/50 | 110 | 2.85 | 300 |
| SDWL3225C3R0□STF | 3000 | G,J,K | 20 | 7.9/25 | 110 | 3.12 | 300 |
| SDWL3225C3R3□STF | 3300 | G,J,K | 20 | 7.9/25 | 100 | 3.14 | 290 |
| SDWL3225C3R9□STF | 3900 | G,J,K | 20 | 7.9/25 | 60 | 3.6 | 290 |
| SDWL3225C4R7□STF | 4700 | G,J,K | 20 | 7.9/25 | 60 | 4 | 280 |
| SDWL3225C5R6□STF | 5600 | G,J,K | 15 | 7.9/25 | 50 | 5 | 250 |
| SDWL3225C6R8□STF | 6800 | G,J,K | 15 | 7.9 | 40 | 8 | 230 |
| SDWL3225C8R2□STF | 8200 | G,J,K | 15 | 7.9 | 40 | 9 | 200 |
| SDWL3225C8R6□STF | 8600 | G,J,K | 15 | 7.9 | 40 | 9 | 200 |
| SDWL3225C100□STF | 10000 | G,J,K | 15 | 7.9 | 35 | 13.2 | 120 |
| SDWL3225C220□STF | 22000 | G,J,K | 15 | 7.9 | 20 | 18 | 100 |

SDWL4532C TYPE

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

SPECIFICATIONS

SDWL4532C TYPE

| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | I _r |
| SDWL4532C2R2□STF | 2.2 | G,J,K | 55 | 7.9/50 | 150 | 2.2 | 340 |
| SDWL4532C2R7□STF | 2.7 | G,J,K | 55 | 7.9/50 | 150 | 3.2 | 300 |
| SDWL4532C3R3□STF | 3.3 | G,J,K | 55 | 7.9/50 | 130 | 3.8 | 270 |
| SDWL4532C3R9□STF | 3.9 | G,J,K | 55 | 7.9/50 | 120 | 5.0 | 240 |
| SDWL4532C4R7□STF | 4.7 | G,J,K | 55 | 7.9/50 | 90 | 5.4 | 230 |
| SDWL4532C5R6□STF | 5.6 | G,J,K | 45 | 7.9/50 | 90 | 5.7 | 220 |
| SDWL4532C6R2□STF | 6.2 | G,J,K | 35 | 7.9/50 | 80 | 6.4 | 200 |
| SDWL4532C6R8□STF | 6.8 | G,J,K | 30 | 7.9/50 | 80 | 6.6 | 210 |
| SDWL4532C8R2□STF | 8.2 | G,J,K | 20 | 7.9/50 | 70 | 7 | 200 |
| SDWL4532C100□STF | 10 | G,J,K | 15 | 7.9/50 | 60 | 7.7 | 190 |
| SDWL4532C120□STF | 12 | G,J,K | 30 | 2.5/10 | 50 | 8.7 | 180 |
| SDWL4532C150□STF | 15 | G,J,K | 30 | 2.5/10 | 30 | 9.6 | 170 |
| SDWL4532C180□STF | 18 | G,J,K | 25 | 2.5/10 | 30 | 10.5 | 160 |
| SDWL4532C220□STF | 22 | G,J,K | 25 | 2.5/10 | 20 | 11.5 | 155 |
| SDWL4532C270□STF | 27 | G,J,K | 25 | 2.5/10 | 20 | 12.5 | 150 |
| SDWL4532C330□STF | 33 | G,J,K | 10 | 2.5/10 | 10 | 13.5 | 145 |

※□: 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".

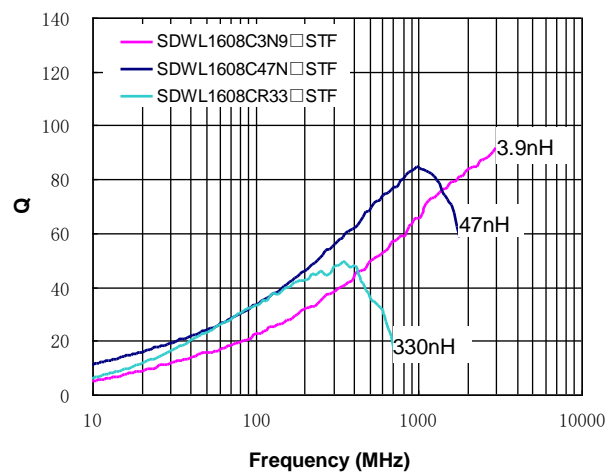
TYPICAL ELECTRICAL CHARACTERISTICS

SDWL1608C-S TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



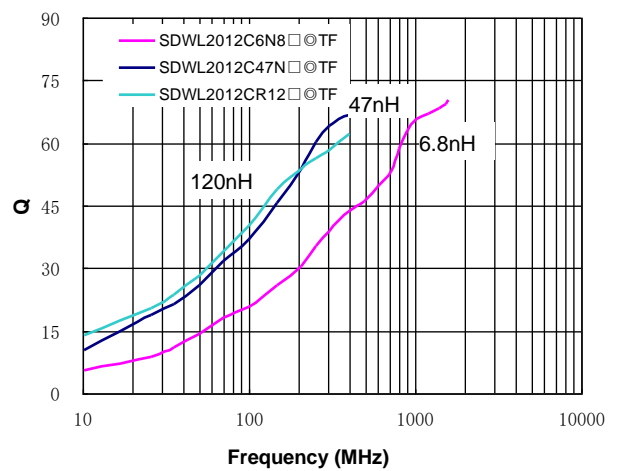
TYPICAL ELECTRICAL CHARACTERISTICS

SDWL2012C TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



SDWL2520C TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

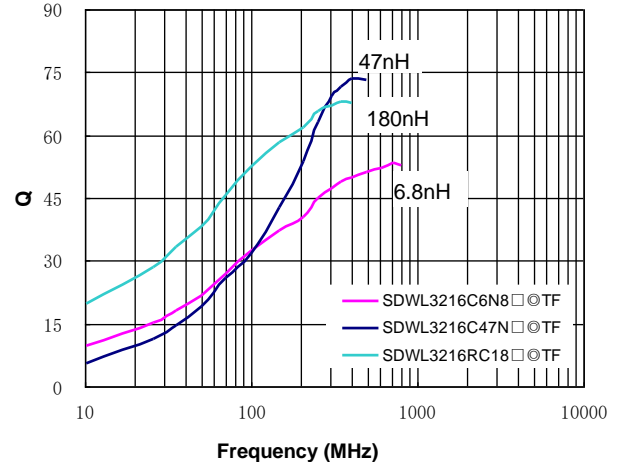


SDWL3216C TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



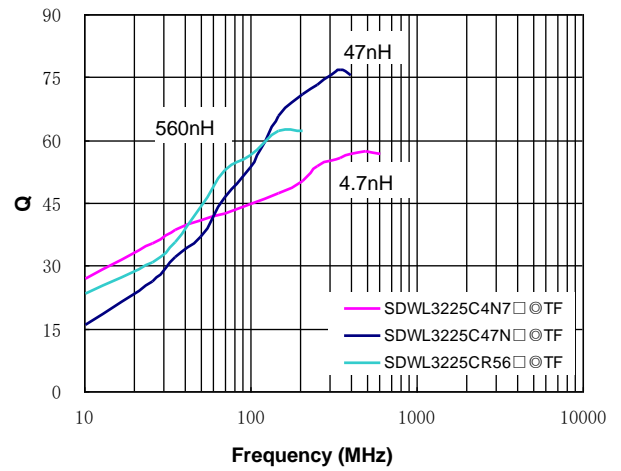
TYPICAL ELECTRICAL CHARACTERISTICS

SDWL3225C TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



SDWL4532C TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



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