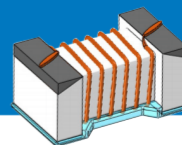


Wire Wound Chip Ceramic Inductor – MWSD – C Series



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
- ◆ Single-sided package, thinner than SDWL-C series

APPLICATIONS

- ◆ High frequency line of communication equipment and wireless module
- ◆ Mobile phones, smart watches and other portable electronic devices
- ◆ Bluetooth, W-LAN, Broadband network

PRODUCT IDENTIFICATION

| | | | | | | |
|-------------|-------------|----------|------------|----------|----------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| MWSD | 1005 | C | 10N | □ | T | □□□ |

| 1 Type | |
|--------|--------------------------|
| MWSD | Wire Wound Chip Inductor |

| 2 External Dimensions | |
|-----------------------|-------------------------------|
| 0603 [0201] | 0.53×0.4 |
| 0804 [03015] | 0.8×0.4 |
| 1005 [0402] | 1.1×0.6 |
| 1608 [0603] | 1.6×0.8 1.6×0.9 1.6×1.0 |

| 3 Material Code | |
|-----------------|---------|
| C | Ceramic |

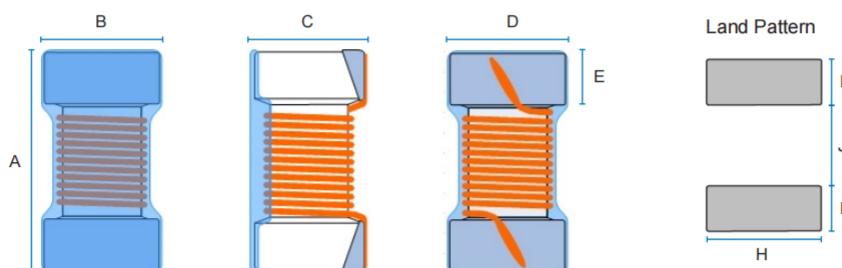
| 4 Nominal Inductance | |
|----------------------|---------------|
| Example | Nominal Value |
| 4N7 | 4.7nH |
| 10N | 10nH |
| R10 | 100nH |

| 5 Inductance Tolerance | |
|------------------------|--------|
| B | ±0.1nH |
| C | ±0.2nH |
| S | ±0.3nH |
| D | ±0.5nH |
| G | ±2% |
| H | ±3% |
| J | ±5% |
| K | ±10% |

| 7 Design Code | |
|----------------------------|-------------|
| □□□ | Design Code |
| *Standard product is blank | |

| 6 Packing | |
|-----------|--------------|
| B | Bulk Package |
| T | Tape & Reel |

SHAPE AND DIMENSIONS



SHAPE AND DIMENSIONS

| Series | A | B | C | D | E | H REF. | I REF. | J REF. |
|---------------|-----------|-----------|-----------|-----------|-----------|--------|--------|--------|
| MWSD0603C | 0.53±0.05 | 0.40±0.05 | 0.40±0.05 | 0.40±0.05 | 0.10±0.05 | 0.50 | 0.20 | 0.23 |
| MWSD0804C | 0.80±0.05 | 0.40±0.05 | 0.40±0.05 | 0.40±0.05 | 0.15±0.05 | 0.50 | 0.25 | 0.43 |
| MWSD1005C | 1.1±0.1 | 0.6±0.1 | 0.55±0.1 | 0.5±0.1 | 0.2±0.1 | 0.65 | 0.35 | 0.50 |
| MWSD1608C | 1.60±0.20 | 0.90±0.20 | 0.90±0.20 | 0.85 | 0.30 | 1.02 | 0.64 | 0.64 |
| MWSD1608C-N | 1.6±0.20 | 1.00±0.20 | 0.80±0.20 | 0.80 | 0.30 | 1.02 | 0.64 | 0.64 |
| MWSD1608C-S | 1.6±0.20 | 0.8±0.20 | 0.80±0.20 | 0.8 | 0.30 | 1.02 | 0.64 | 0.64 |
| MWSD1608C-B/Y | 1.60±0.20 | 0.90±0.20 | 0.90±0.20 | 0.85 | 0.30 | 1.02 | 0.64 | 0.64 |

Unit: mm

SPECIFICATIONS MWSD0603C 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 |
| MWSD0603C1N0 □ T | 1.0 | C,D | 48 | 250/900 | 19000 | 0.03 | 900 |
| MWSD0603C1N1 □ T | 1.1 | C,D | 41 | 250/900 | 19000 | 0.06 | 660 |
| MWSD0603C1N7 □ T | 1.7 | C,D | 41 | 250/900 | 19000 | 0.07 | 600 |
| MWSD0603C1N8 □ T | 1.8 | C,D | 37 | 250/900 | 19000 | 0.10 | 520 |
| MWSD0603C1N9 □ T | 1.9 | C,D | 41 | 250/900 | 19000 | 0.08 | 620 |
| MWSD0603C2N0 □ T | 2.0 | C,D | 42 | 250/900 | 19000 | 0.10 | 490 |
| MWSD0603C2N1 □ T | 2.1 | C,D | 35 | 250/900 | 19000 | 0.16 | 400 |
| MWSD0603C2N2 □ T | 2.2 | C,D | 33 | 250/900 | 19000 | 0.16 | 400 |
| MWSD0603C2N7 □ T | 2.7 | C,D | 46 | 250/900 | 15000 | 0.06 | 720 |
| MWSD0603C2N8 □ T | 2.8 | C,D | 44 | 250/900 | 14000 | 0.08 | 600 |
| MWSD0603C2N9 □ T | 2.9 | C,D | 41 | 250/900 | 13000 | 0.10 | 540 |
| MWSD0603C3N0 □ T | 3.0 | C,D | 34 | 250/900 | 14000 | 0.22 | 350 |
| MWSD0603C3N1 □ T | 3.1 | C,D | 48 | 250/900 | 12000 | 0.07 | 720 |
| MWSD0603C3N2 □ T | 3.2 | C,D | 48 | 250/900 | 10000 | 0.08 | 580 |
| MWSD0603C3N3 □ T | 3.3 | C,D | 47 | 250/900 | 11000 | 0.11 | 520 |
| MWSD0603C3N4 □ T | 3.4 | C,D | 43 | 250/900 | 11000 | 0.15 | 440 |
| MWSD0603C3N5 □ T | 3.5 | C,D | 43 | 250/900 | 12000 | 0.15 | 440 |
| MWSD0603C3N6 □ T | 3.6 | C,D | 36 | 250/900 | 11000 | 0.23 | 340 |
| MWSD0603C3N7 □ T | 3.7 | C,D | 38 | 250/900 | 11000 | 0.23 | 340 |
| MWSD0603C3N9 □ T | 3.9 | C,D | 38 | 250/900 | 11000 | 0.25 | 500 |
| MWSD0603C4N1 □ T | 4.1 | C,D | 48 | 100/900 | 11000 | 0.07 | 650 |
| MWSD0603C4N3 □ T | 4.3 | D,J | 45 | 100/900 | 11000 | 0.12 | 480 |
| MWSD0603C4N7 □ T | 4.7 | D,J | 45 | 100/900 | 9500 | 0.09 | 620 |
| MWSD0603C5N1 □ T | 5.1 | D,J | 45 | 100/900 | 9500 | 0.14 | 480 |
| MWSD0603C5N4 □ T | 5.4 | D,J | 46 | 100/900 | 9500 | 0.21 | 420 |
| MWSD0603C5N6 □ T | 5.6 | D,J | 37 | 100/900 | 8300 | 0.33 | 330 |
| MWSD0603C6N0 □ T | 6.0 | D,J | 47 | 100/900 | 8800 | 0.16 | 460 |
| MWSD0603C6N2 □ T | 6.2 | D,J | 39 | 100/900 | 9900 | 0.22 | 360 |
| MWSD0603C6N8 □ T | 6.8 | D,J | 42 | 100/900 | 7700 | 0.18 | 460 |
| MWSD0603C7N5 □ T | 7.5 | D,J | 41 | 100/900 | 7500 | 0.24 | 400 |
| MWSD0603C8N2 □ T | 8.2 | D,J | 40 | 100/900 | 8500 | 0.26 | 290 |
| MWSD0603C8N7 □ T | 8.7 | D,J | 39 | 100/900 | 7500 | 0.42 | 290 |
| MWSD0603C9N1 □ T | 9.1 | D,J | 46 | 100/900 | 6400 | 0.22 | 460 |
| MWSD0603C10N □ T | 10.0 | J | 37 | 100/900 | 7200 | 0.46 | 250 |
| MWSD0603C11N □ T | 11.0 | J | 37 | 100/900 | 7000 | 0.47 | 260 |
| MWSD0603C12N □ T | 12.0 | J | 39 | 100/900 | 6000 | 0.54 | 280 |
| MWSD0603C13N □ T | 13.0 | J | 39 | 100/900 | 5900 | 0.54 | 280 |
| MWSD0603C14N □ T | 14.0 | J | 37 | 100/900 | 6000 | 0.53 | 240 |
| MWSD0603C15N □ T | 15.0 | J | 38 | 100/900 | 5700 | 0.60 | 230 |

SPECIFICATIONS MWSD0804C 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 |
| MWSD0804C0N8 □ T | 0.8 | C,D | 23 | 100/250 | 20000 | 0.02 | 1800 |
| MWSD0804C1N1 □ T | 1.1 | C,D | 15 | 100/250 | 20000 | 0.03 | 990 |
| MWSD0804C1N3 □ T | 1.3 | C,D | 15 | 100/250 | 20000 | 0.03 | 1500 |
| MWSD0804C1N6 □ T | 1.6 | C,D | 15 | 100/250 | 17000 | 0.06 | 700 |
| MWSD0804C1N7 □ T | 1.7 | C,D | 15 | 100/250 | 17000 | 0.06 | 700 |
| MWSD0804C1N8 □ T | 1.8 | C,D | 15 | 100/250 | 17000 | 0.06 | 700 |
| MWSD0804C1N9 □ T | 1.9 | C,D | 10 | 100/250 | 15000 | 0.12 | 490 |
| MWSD0804C2N3 □ T | 2.3 | C,D | 18 | 100/250 | 20000 | 0.07 | 780 |
| MWSD0804C2N4 □ T | 2.4 | C,D | 15 | 100/250 | 15000 | 0.07 | 570 |
| MWSD0804C2N5 □ T | 2.5 | C,D | 10 | 100/250 | 10000 | 0.12 | 490 |
| MWSD0804C2N6 □ T | 2.6 | C,D | 15 | 100/250 | 15000 | 0.07 | 620 |
| MWSD0804C2N7 □ T | 2.7 | C,D | 15 | 100/250 | 15000 | 0.07 | 570 |
| MWSD0804C2N8 □ T | 2.8 | C,D | 15 | 100/250 | 15000 | 0.07 | 620 |
| MWSD0804C3N0 □ T | 3.0 | C,D | 15 | 100/250 | 13000 | 0.07 | 620 |
| MWSD0804C3N3 □ T | 3.3 | C,D | 10 | 100/250 | 10000 | 0.14 | 440 |
| MWSD0804C3N4 □ T | 3.4 | C,D | 10 | 100/250 | 8000 | 0.27 | 310 |
| MWSD0804C3N6 □ T | 3.6 | C,D | 15 | 100/250 | 13000 | 0.10 | 530 |
| MWSD0804C3N7 □ T | 3.7 | C,D | 20 | 100/250 | 10000 | 0.14 | 440 |
| MWSD0804C3N8 □ T | 3.8 | C,D | 15 | 100/250 | 11000 | 0.10 | 530 |
| MWSD0804C3N9 □ T | 3.9 | C,D | 15 | 100/250 | 12000 | 0.10 | 530 |
| MWSD0804C4N3 □ T | 4.3 | C,D | 15 | 100/250 | 11000 | 0.10 | 530 |
| MWSD0804C4N5 □ T | 4.5 | C,D | 20 | 100/250 | 10000 | 0.14 | 440 |
| MWSD0804C5N0 □ T | 5.0 | C,D | 15 | 100/250 | 9000 | 0.23 | 350 |
| MWSD0804C5N1 □ T | 5.1 | C,D | 20 | 100/250 | 10000 | 0.12 | 470 |
| MWSD0804C5N6 □ T | 5.6 | C,D | 20 | 100/250 | 9000 | 0.12 | 470 |
| MWSD0804C6N2 □ T | 6.2 | C,D | 20 | 100/250 | 9000 | 0.19 | 390 |
| MWSD0804C6N5 □ T | 6.5 | C,D | 20 | 100/250 | 9000 | 0.19 | 390 |
| MWSD0804C6N8 □ T | 6.8 | C,D | 20 | 100/250 | 9000 | 0.14 | 440 |
| MWSD0804C7N5 □ T | 7.5 | C,D | 20 | 100/250 | 8000 | 0.14 | 440 |
| MWSD0804C8N2 □ T | 8.2 | C,D | 20 | 100/250 | 8000 | 0.23 | 350 |
| MWSD0804C9N0 □ T | 9.0 | C,D | 20 | 100/250 | 7000 | 0.26 | 330 |
| MWSD0804C9N5 □ T | 9.5 | C,D | 20 | 100/250 | 7000 | 0.26 | 330 |
| MWSD0804C9N9 □ T | 9.9 | C,D | 20 | 100/250 | 7000 | 0.26 | 330 |
| MWSD0804C10N □ T | 10 | H,J | 20 | 100/250 | 7000 | 0.26 | 330 |
| MWSD0804C12N □ T | 12 | H,J | 15 | 100/250 | 6000 | 0.28 | 310 |
| MWSD0804C18N □ T | 18 | H,J | 15 | 100/250 | 5000 | 0.54 | 220 |
| MWSD0804C24N □ T | 24 | H,J | 15 | 100/250 | 4000 | 0.95 | 160 |
| MWSD0804C33N □ T | 33 | H,J | 15 | 100/250 | 4000 | 1.11 | 140 |
| MWSD0804C43N □ T | 43 | J | 15 | 100/250 | 1600 | 1.20 | 180 |
| MWSD0804C56N □ T | 56 | J | 13 | 100/250 | 1200 | 1.60 | 130 |

MWSD1005C 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 |
| MWSD1005C0N8 □ T | 0.8 | B,C,S,D,K | 14 | 250/250 | >6000 | 0.035 | 1000 |
| MWSD1005C1N0 □ T | 1.0 | B,C,S,D,K | 10 | 250/250 | >6000 | 0.085 | 650 |
| MWSD1005C1N8 □ T | 1.8 | B,C,S,D,J,K | 20 | 250/250 | >6000 | 0.043 | 950 |
| MWSD1005C1N9 □ T | 1.9 | B,C,S,D,J,K | 20 | 250/250 | >6000 | 0.043 | 950 |

SPECIFICATIONS MWSD1005C 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 |
| MWSD1005C2N0 □ T | 2.0 | B,C,S,D,J,K | 23 | 250/250 | >6000 | 0.043 | 950 |
| MWSD1005C2N2 □ T | 2.2 | B,C,S,D,J,K | 22 | 250/250 | >6000 | 0.058 | 820 |
| MWSD1005C2N4 □ T | 2.4 | B,C,S,D,J,K | 18 | 250/250 | >6000 | 0.091 | 650 |
| MWSD1005C2N7 □ T | 2.7 | B,C,S,D,J,K | 24 | 250/250 | >6000 | 0.050 | 900 |
| MWSD1005C3N0 □ T | 3.0 | S,D,K | 24 | 250/250 | >6000 | 0.063 | 790 |
| MWSD1005C3N3 □ T | 3.3 | B,C,S,D,J,K | 24 | 250/250 | >6000 | 0.063 | 790 |
| MWSD1005C3N6 □ T | 3.6 | B,C,S,D,J,K | 24 | 250/250 | >6000 | 0.063 | 790 |
| MWSD1005C3N9 □ T | 3.9 | B,C,S,D,J,K | 24 | 250/250 | >6000 | 0.063 | 790 |
| MWSD1005C4N1 □ T | 4.1 | B,C,S,D,J,K | 22 | 250/250 | >6000 | 0.070 | 700 |
| MWSD1005C4N3 □ T | 4.3 | B,C,S,D,J,K | 22 | 250/250 | >6000 | 0.070 | 750 |
| MWSD1005C4N7 □ T | 4.7 | B,C,S,D,J,K | 20 | 250/250 | >6000 | 0.120 | 570 |
| MWSD1005C5N1 □ T | 5.1 | B,C,S,D,J,K | 23 | 250/250 | >6000 | 0.100 | 620 |
| MWSD1005C5N6 □ T | 5.6 | B,C,S,D,J,K | 25 | 250/250 | >6000 | 0.078 | 710 |
| MWSD1005C5N8 □ T | 5.8 | B,C,S,D,J,K | 25 | 250/250 | >6000 | 0.078 | 710 |
| MWSD1005C6N2 □ T | 6.2 | B,C,S,D,J,K | 25 | 250/250 | >6000 | 0.078 | 710 |
| MWSD1005C6N8 □ T | 6.8 | G,H,J,K | 24 | 250/250 | 6000 | 0.105 | 610 |
| MWSD1005C7N5 □ T | 7.5 | G,H,J,K | 25 | 250/250 | 6000 | 0.12 | 570 |
| MWSD1005C8N2 □ T | 8.2 | G,H,J,K | 25 | 250/250 | 5500 | 0.11 | 590 |
| MWSD1005C8N7 □ T | 8.7 | G,H,J,K | 25 | 250/250 | 5500 | 0.11 | 590 |
| MWSD1005C9N0 □ T | 9.0 | G,H,J,K | 25 | 250/250 | 5500 | 0.11 | 590 |
| MWSD1005C9N1 □ T | 9.1 | G,H,J,K | 25 | 250/250 | 5500 | 0.11 | 590 |
| MWSD1005C10N □ T | 10 | G,H,J,K | 24 | 250/250 | 5500 | 0.15 | 510 |
| MWSD1005C11N □ T | 11 | G,H,J,K | 26 | 250/250 | 5500 | 0.12 | 570 |
| MWSD1005C12N □ T | 12 | G,H,J,K | 26 | 250/250 | 5500 | 0.12 | 570 |
| MWSD1005C13N □ T | 13 | G,H,J,K | 24 | 250/250 | 5000 | 0.18 | 460 |
| MWSD1005C14N □ T | 14 | G,H,J,K | 26 | 250/250 | 5000 | 0.21 | 430 |
| MWSD1005C15N □ T | 15 | G,H,J,K | 26 | 250/250 | 5000 | 0.21 | 430 |
| MWSD1005C16N □ T | 16 | G,H,J,K | 25 | 250/250 | 4500 | 0.28 | 370 |
| MWSD1005C18N □ T | 18 | G,H,J,K | 25 | 250/250 | 4500 | 0.28 | 370 |
| MWSD1005C19N □ T | 19 | G,H,J,K | 26 | 250/250 | 4000 | 0.24 | 400 |
| MWSD1005C20N □ T | 20 | G,H,J,K | 26 | 250/250 | 4000 | 0.24 | 400 |
| MWSD1005C22N □ T | 22 | G,H,J,K | 25 | 250/250 | 4000 | 0.36 | 330 |
| MWSD1005C23N □ T | 23 | G,H,J,K | 25 | 250/250 | 3800 | 0.36 | 330 |
| MWSD1005C24N □ T | 24 | G,H,J,K | 25 | 250/250 | 3500 | 0.36 | 330 |
| MWSD1005C27N □ T | 27 | G,H,J,K | 25 | 250/250 | 3500 | 0.38 | 320 |
| MWSD1005C30N □ T | 30 | G,H,J,K | 25 | 250/250 | 3300 | 0.38 | 320 |
| MWSD1005C33N □ T | 33 | G,H,J,K | 24 | 250/250 | 3200 | 0.55 | 260 |
| MWSD1005C36N □ T | 36 | G,H,J,K | 25 | 250/250 | 3100 | 0.60 | 250 |
| MWSD1005C38N □ T | 38 | G,H,J,K | 25 | 250/250 | 3000 | 0.60 | 250 |
| MWSD1005C39N □ T | 39 | G,H,J,K | 25 | 250/250 | 3000 | 0.60 | 250 |
| MWSD1005C43N □ T | 43 | G,H,J,K | 25 | 250/250 | 3000 | 0.68 | 240 |
| MWSD1005C47N □ T | 47 | G,H,J,K | 25 | 250/250 | 2900 | 0.95 | 200 |
| MWSD1005C51N □ T | 51 | G,H,J,K | 25 | 250/250 | 2850 | 0.95 | 200 |
| MWSD1005C56N □ T | 56 | G,H,J,K | 25 | 250/250 | 2800 | 1.05 | 190 |
| MWSD1005C62N □ T | 62 | G,H,J,K | 25 | 250/250 | 2600 | 1.05 | 190 |
| MWSD1005C68N □ T | 68 | G,H,J,K | 25 | 250/250 | 2500 | 1.35 | 170 |
| MWSD1005C75N □ T | 75 | G,H,J,K | 24 | 250/250 | 2400 | 1.75 | 140 |
| MWSD1005C82N □ T | 82 | G,H,J,K | 25 | 250/250 | 2300 | 1.90 | 140 |
| MWSD1005C91N □ T | 91 | G,H,J,K | 25 | 250/250 | 2100 | 1.95 | 140 |
| MWSD1005C96N □ T | 96 | G,H,J,K | 24 | 250/250 | 1500 | 2.06 | 130 |
| MWSD1005CR10 □ T | 100 | G,H,J,K | 24 | 250/250 | 1500 | 2.06 | 130 |

SPECIFICATIONS MWSD1005C 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 |
| MWSD1005CR11 □ T | 110 | G,H,J,K | 25 | 250/250 | 1200 | 2.38 | 120 |
| MWSD1005CR12 □ T | 120 | J,K | 25 | 250/250 | 1000 | 2.66 | 110 |
| MWSD1005CR27 □ T | 270 | JK | 10 | 100/100 | 400 | 3.30 | 100 |

MWSD1608C 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 |
| MWSD1608C1N6 □ T | 1.6 | C,D,K | 22 | 250/250 | 6000 | 0.035 | 1150 |
| MWSD1608C2N2 □ T | 2.2 | B,C,D,K | 13 | 250/250 | 6000 | 0.15 | 700 |
| MWSD1608C2N7 □ T | 2.7 | C,D,J,K | 25 | 250/250 | 6000 | 0.043 | 1000 |
| MWSD1608C3N3 □ T | 3.3 | C,D,J,K | 25 | 250/250 | 6000 | 0.059 | 850 |
| MWSD1608C3N6 □ T | 3.6 | C,D,J,K | 25 | 250/250 | 6000 | 0.059 | 850 |
| MWSD1608C4N7 □ T | 4.7 | C,D,J,K | 25 | 250/250 | 6000 | 0.065 | 800 |
| MWSD1608C5N1 □ T | 5.1 | C,D,J,K | 21 | 250/250 | 6000 | 0.13 | 600 |
| MWSD1608C5N6 □ T | 5.6 | B,C,D,J,K | 38 | 250/250 | 6000 | 0.045 | 900 |
| MWSD1608C6N2 □ T | 6.2 | C,D,J,K | 29 | 250/250 | 6000 | 0.095 | 700 |
| MWSD1608C6N8 □ T | 6.8 | C,D,J,K | 29 | 250/250 | 6000 | 0.095 | 700 |
| MWSD1608C7N5 □ T | 7.5 | C,D,J,K | 33 | 250/250 | 6000 | 0.095 | 700 |
| MWSD1608C8N2 □ T | 8.2 | C,D,J,K | 31 | 250/250 | 6000 | 0.095 | 700 |
| MWSD1608C8N7 □ T | 8.7 | C,D,J,K | 31 | 250/250 | 6000 | 0.095 | 700 |
| MWSD1608C9N1 □ T | 9.1 | C,D,J,K | 30 | 250/250 | 6000 | 0.12 | 620 |
| MWSD1608C9N5 □ T | 9.5 | C,D,J,K | 26 | 250/250 | 6000 | 0.16 | 540 |
| MWSD1608C10N □ T | 10 | G,H,J,K | 30 | 250/250 | 5700 | 0.13 | 600 |
| MWSD1608C11N □ T | 11 | G,H,J,K | 35 | 250/250 | 6000 | 0.13 | 600 |
| MWSD1608C12N □ T | 12 | G,H,J,K | 35 | 250/250 | 6000 | 0.13 | 600 |
| MWSD1608C13N □ T | 13 | G,H,J,K | 35 | 250/250 | 5300 | 0.13 | 600 |
| MWSD1608C15N □ T | 15 | G,H,J,K | 37 | 250/250 | 5700 | 0.15 | 550 |
| MWSD1608C16N □ T | 16 | G,H,J,K | 37 | 250/250 | 4700 | 0.15 | 550 |
| MWSD1608C17N □ T | 17 | G,H,J,K | 37 | 250/250 | 4700 | 0.15 | 550 |
| MWSD1608C18N □ T | 18 | G,H,J,K | 37 | 250/250 | 4550 | 0.15 | 550 |
| MWSD1608C20N □ T | 20 | G,H,J,K | 37 | 250/250 | 4550 | 0.15 | 550 |
| MWSD1608C22N □ T | 22 | G,H,J,K | 38 | 250/250 | 4000 | 0.19 | 490 |
| MWSD1608C23N □ T | 23 | G,H,J,K | 40 | 250/250 | 3800 | 0.19 | 490 |
| MWSD1608C24N □ T | 24 | G,H,J,K | 40 | 250/250 | 3800 | 0.19 | 490 |
| MWSD1608C25N □ T | 25 | G,H,J,K | 40 | 250/250 | 3700 | 0.19 | 490 |
| MWSD1608C27N □ T | 27 | G,H,J,K | 38 | 250/250 | 3700 | 0.19 | 490 |
| MWSD1608C30N □ T | 30 | G,H,J,K | 38 | 250/250 | 3300 | 0.21 | 470 |
| MWSD1608C33N □ T | 33 | G,H,J,K | 40 | 250/250 | 3200 | 0.21 | 470 |
| MWSD1608C36N □ T | 36 | G,H,J,K | 40 | 250/250 | 2900 | 0.22 | 460 |
| MWSD1608C39N □ T | 39 | G,H,J,K | 40 | 250/250 | 2800 | 0.22 | 460 |
| MWSD1608C43N □ T | 43 | G,H,J,K | 40 | 250/250 | 2700 | 0.27 | 400 |
| MWSD1608C47N □ T | 47 | G,H,J,K | 36 | 200/200 | 2600 | 0.27 | 400 |
| MWSD1608C51N □ T | 51 | G,H,J,K | 35 | 200/200 | 2400 | 0.30 | 390 |
| MWSD1608C56N □ T | 56 | G,H,J,K | 38 | 200/200 | 2400 | 0.35 | 360 |
| MWSD1608C62N □ T | 62 | G,H,J,K | 36 | 200/200 | 2300 | 0.38 | 350 |
| MWSD1608C68N □ T | 68 | G,H,J,K | 36 | 200/200 | 2200 | 0.38 | 350 |
| MWSD1608C72N □ T | 72 | G,H,J,K | 34 | 150/150 | 2100 | 0.43 | 320 |
| MWSD1608C82N □ T | 82 | G,H,J,K | 34 | 150/150 | 2000 | 0.50 | 300 |
| MWSD1608C90N □ T | 90 | G,H,J,K | 34 | 150/150 | 1900 | 0.52 | 300 |

SPECIFICATIONS MWSD1608C 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 |
| MWSD1608C91N □ T | 91 | G,H,J,K | 34 | 150/150 | 1900 | 0.52 | 300 |
| MWSD1608CR10 □ T | 100 | G,H,J,K | 31 | 150/150 | 1800 | 0.66 | 260 |
| MWSD1608CR11 □ T | 110 | G,H,J,K | 32 | 150/150 | 1700 | 0.73 | 250 |
| MWSD1608CR12 □ T | 120 | G,H,J,K | 32 | 150/150 | 1600 | 0.75 | 240 |
| MWSD1608CR13 □ T | 130 | G,H,J,K | 32 | 150/150 | 1500 | 0.75 | 240 |
| MWSD1608CR14 □ T | 140 | G,H,J,K | 32 | 150/150 | 1400 | 1.10 | 200 |
| MWSD1608CR15 □ T | 150 | G,H,J,K | 32 | 150/150 | 1400 | 1.12 | 200 |
| MWSD1608CR16 □ T | 160 | G,H,J,K | 32 | 150/150 | 1400 | 1.12 | 200 |
| MWSD1608CR18 □ T | 180 | G,H,J,K | 25 | 100/100 | 1300 | 1.38 | 180 |
| MWSD1608CR20 □ T | 200 | G,H,J,K | 25 | 100/100 | 1250 | 1.90 | 150 |
| MWSD1608CR21 □ T | 210 | G,H,J,K | 25 | 100/100 | 1250 | 1.90 | 150 |
| MWSD1608CR22 □ T | 220 | G,H,J,K | 25 | 100/100 | 1200 | 2.10 | 140 |
| MWSD1608CR24 □ T | 240 | G,H,J,K | 25 | 100/100 | 1100 | 2.75 | 120 |
| MWSD1608CR25 □ T | 250 | G,H,J,K | 25 | 100/100 | 1100 | 2.80 | 120 |
| MWSD1608CR27 □ T | 270 | G,H,J,K | 26 | 100/100 | 960 | 3.00 | 120 |
| MWSD1608CR30 □ T | 300 | G,H,J,K | 26 | 100/100 | 900 | 4.05 | 110 |
| MWSD1608CR33 □ T | 330 | G,H,J,K | 26 | 100/100 | 800 | 4.20 | 100 |
| MWSD1608CR36 □ T | 360 | G,H,J,K | 27 | 100/100 | 800 | 4.30 | 100 |
| MWSD1608CR39 □ T | 390 | G,H,J,K | 27 | 100/100 | 800 | 4.50 | 100 |
| MWSD1608CR42 □ T | 420 | G,H,J,K | 27 | 100/100 | 800 | 5.40 | 90 |
| MWSD1608CR47 □ T | 470 | G,H,J,K | 27 | 100/100 | 700 | 5.70 | 90 |
| MWSD1608CR56 □ T | 560 | G,H,J,K | 27 | 100/100 | 650 | 8.10 | 70 |

MWSD1608C-N 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 |
| MWSD1608C1N6 □ TN01 | 1.6 | S | 24 | 250/250 | 12500 | 0.030 | 700 |
| MWSD1608C1N8 □ TN01 | 1.8 | J, K | 16 | 250/250 | 12500 | 0.045 | 700 |
| MWSD1608C2N2 □ TN01 | 2.2 | J, K | 13 | 250/250 | 12500 | 0.250 | 100 |
| MWSD1608C2N7 □ TN01 | 2.7 | J, K | 25 | 250/250 | 6000 | 0.043 | 1000 |
| MWSD1608C3N3 □ TN01 | 3.3 | J, K | 35 | 250/250 | 5900 | 0.045 | 700 |
| MWSD1608C3N6 □ TN01 | 3.6 | J, K | 22 | 250/250 | 5900 | 0.063 | 700 |
| MWSD1608C3N9 □ TN01 | 3.9 | J, K | 22 | 250/250 | 6900 | 0.080 | 700 |
| MWSD1608C4N3 □ TN01 | 4.3 | J, K | 22 | 250/250 | 5900 | 0.063 | 700 |
| MWSD1608C4N7 □ TN01 | 4.7 | J, K | 20 | 250/250 | 5800 | 0.116 | 700 |
| MWSD1608C5N1 □ TN01 | 5.1 | J, K | 20 | 250/250 | 5700 | 0.140 | 700 |
| MWSD1608C5N6 □ TN01 | 5.6 | J, K | 26 | 250/250 | 4760 | 0.075 | 700 |
| MWSD1608C6N8 □ TN01 | 6.8 | G, J | 27 | 250/250 | 5800 | 0.110 | 700 |
| MWSD1608C7N5 □ TN01 | 7.5 | G, J | 28 | 250/250 | 4800 | 0.106 | 700 |
| MWSD1608C8N2 □ TN01 | 8.2 | G, J | 30 | 250/250 | 4200 | 0.115 | 700 |
| MWSD1608C8N7 □ TN01 | 8.7 | G, J | 28 | 250/250 | 4600 | 0.109 | 700 |
| MWSD1608C9N5 □ TN01 | 9.5 | G, J | 28 | 250/250 | 5400 | 0.135 | 700 |
| MWSD1608C10N □ TN01 | 10 | G, J | 31 | 250/250 | 4800 | 0.130 | 700 |
| MWSD1608C11N □ TN01 | 11 | G, J | 30 | 250/250 | 4000 | 0.130 | 700 |
| MWSD1608C12N □ TN01 | 12 | G, J | 35 | 250/250 | 4000 | 0.130 | 700 |
| MWSD1608C15N □ TN01 | 15 | G, J | 35 | 250/250 | 4000 | 0.170 | 700 |
| MWSD1608C16N □ TN01 | 16 | G, J | 34 | 250/250 | 3300 | 0.170 | 700 |
| MWSD1608C18N □ TN01 | 18 | G, J | 35 | 250/250 | 3100 | 0.170 | 700 |
| MWSD1608C22N □ TN01 | 22 | G, J | 38 | 250/250 | 3000 | 0.190 | 700 |

SPECIFICATIONS MWSD1608C-N 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 |
| MWSD1608C23N □ TN01 | 23 | G ,J | 38 | 250/250 | 2850 | 0.190 | 700 |
| MWSD1608C24N □ TN01 | 24 | G ,J | 36 | 250/250 | 2650 | 0.190 | 700 |
| MWSD1608C27N □ TN01 | 27 | G ,J | 40 | 250/250 | 2800 | 0.220 | 600 |
| MWSD1608C30N □ TN01 | 30 | G ,J | 37 | 250/250 | 2250 | 0.220 | 600 |
| MWSD1608C33N □ TN01 | 33 | G ,J | 40 | 250/250 | 2300 | 0.220 | 600 |
| MWSD1608C36N □ TN01 | 36 | G ,J | 37 | 250/250 | 2080 | 0.250 | 600 |
| MWSD1608C39N □ TN01 | 39 | G ,J | 40 | 250/250 | 2200 | 0.250 | 600 |
| MWSD1608C43N □ TN01 | 43 | G ,J | 38 | 250/250 | 2000 | 0.280 | 600 |
| MWSD1608C47N □ TN01 | 47 | G ,J | 38 | 200/200 | 2000 | 0.280 | 600 |
| MWSD1608C51N □ TN01 | 51 | G ,J | 35 | 200/200 | 1900 | 0.250 | 600 |
| MWSD1608C56N □ TN01 | 56 | G ,J | 38 | 200/200 | 1900 | 0.310 | 600 |
| MWSD1608C68N □ TN01 | 68 | G ,J | 37 | 200/200 | 1700 | 0.340 | 600 |
| MWSD1608C72N □ TN01 | 72 | G ,J | 34 | 150/150 | 1700 | 0.490 | 400 |
| MWSD1608C75N □ TN01 | 75 | G ,J | 35 | 150/150 | 1700 | 0.630 | 400 |
| MWSD1608C82N □ TN01 | 82 | G ,J | 34 | 150/150 | 1700 | 0.540 | 400 |
| MWSD1608CR10 □ TN01 | 100 | G ,J | 34 | 150/150 | 1400 | 0.580 | 400 |
| MWSD1608CR11 □ TN01 | 110 | G ,J | 32 | 150/150 | 1350 | 0.610 | 300 |
| MWSD1608CR12 □ TN01 | 120 | G ,J | 32 | 150/150 | 1300 | 0.650 | 300 |
| MWSD1608CR15 □ TN01 | 150 | G ,J | 28 | 150/150 | 990 | 0.920 | 280 |
| MWSD1608CR18 □ TN01 | 180 | G ,J | 25 | 100/100 | 990 | 1.250 | 240 |
| MWSD1608CR20 □ TN01 | 200 | G ,J | 25 | 100/100 | 900 | 1.980 | 200 |
| MWSD1608CR21 □ TN01 | 210 | G ,J | 27 | 100/100 | 895 | 2.060 | 200 |
| MWSD1608CR22 □ TN01 | 220 | G ,J | 25 | 100/100 | 900 | 2.100 | 200 |
| MWSD1608CR25 □ TN01 | 250 | G ,J | 25 | 100/100 | 822 | 3.550 | 120 |
| MWSD1608CR27 □ TN01 | 270 | G ,J | 26 | 100/100 | 830 | 2.160 | 170 |
| MWSD1608CR33 □ TN01 | 330 | G ,J | 25 | 100/100 | 900 | 3.890 | 100 |
| MWSD1608CR39 □ TN01 | 390 | G ,J | 25 | 100/100 | 780 | 4.350 | 100 |

MWSD1608C-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 |
| MWSD1608C3N3 □ TS01 | 3.3 | D | 35 | 250/250 | 5900 | 0.045 | 700 |
| MWSD1608C3N6 □ TS01 | 3.6 | C,D | 22 | 250/250 | 5900 | 0.063 | 700 |
| MWSD1608C3N9 □ TS01 | 3.9 | C,D | 22 | 250/250 | 6900 | 0.080 | 700 |
| MWSD1608C4N7 □ TS01 | 4.7 | D | 20 | 250/250 | 5800 | 0.116 | 700 |
| MWSD1608C5N1 □ TS01 | 5.1 | D | 20 | 250/250 | 5700 | 0.140 | 700 |
| MWSD1608C5N6 □ TS01 | 5.6 | C,D | 26 | 250/250 | 4760 | 0.075 | 700 |
| MWSD1608C6N8 □ TS01 | 6.8 | C,D | 27 | 250/250 | 5800 | 0.110 | 700 |
| MWSD1608C7N5 □ TS01 | 7.5 | C,D | 28 | 250/250 | 4800 | 0.106 | 700 |
| MWSD1608C8N2 □ TS01 | 8.2 | C,D | 30 | 250/250 | 4200 | 0.115 | 700 |
| MWSD1608C8N7 □ TS01 | 8.7 | C,D | 28 | 250/250 | 4600 | 0.109 | 700 |
| MWSD1608C9N5 □ TS01 | 9.5 | G,J | 28 | 250/250 | 5400 | 0.135 | 700 |
| MWSD1608C10N □ TS01 | 10 | G,J | 31 | 250/250 | 4800 | 0.130 | 700 |
| MWSD1608C11N □ TS01 | 11 | G,J | 30 | 250/250 | 4000 | 0.086 | 700 |
| MWSD1608C12N □ TS01 | 12 | G,J | 35 | 250/250 | 4000 | 0.130 | 700 |
| MWSD1608C15N □ TS01 | 15 | G,J | 35 | 250/250 | 4000 | 0.170 | 700 |
| MWSD1608C16N □ TS01 | 16 | G,J | 34 | 250/250 | 3300 | 0.104 | 700 |
| MWSD1608C18N □ TS01 | 18 | G,J | 35 | 250/250 | 3100 | 0.170 | 700 |
| MWSD1608C22N □ TS01 | 22 | G,J | 38 | 250/250 | 3000 | 0.190 | 700 |

SPECIFICATIONS MWSD1608C-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 |
| MWSD1608C23N □ TS01 | 23 | G,J | 38 | 250/250 | 2850 | 0.190 | 700 |
| MWSD1608C24N □ TS01 | 24 | G,J | 36 | 250/250 | 2650 | 0.135 | 700 |
| MWSD1608C27N □ TS01 | 27 | G,J | 40 | 250/250 | 2800 | 0.220 | 600 |
| MWSD1608C30N □ TS01 | 30 | G,J | 37 | 250/250 | 2250 | 0.144 | 600 |
| MWSD1608C33N □ TS01 | 33 | G,J | 40 | 250/250 | 2300 | 0.220 | 600 |
| MWSD1608C36N □ TS01 | 36 | G,J | 37 | 250/250 | 2080 | 0.250 | 600 |
| MWSD1608C39N □ TS01 | 39 | G,J | 40 | 250/250 | 2200 | 0.250 | 600 |
| MWSD1608C43N □ TS01 | 43 | G,J | 38 | 250/250 | 2000 | 0.280 | 600 |
| MWSD1608C47N □ TS01 | 47 | G,J | 38 | 200/200 | 2000 | 0.280 | 600 |
| MWSD1608C51N □ TS01 | 51 | G,J | 35 | 200/200 | 1900 | 0.270 | 600 |
| MWSD1608C56N □ TS01 | 56 | G,J | 38 | 200/200 | 1900 | 0.310 | 600 |
| MWSD1608C68N □ TS01 | 68 | G,J | 37 | 200/200 | 1700 | 0.340 | 600 |
| MWSD1608C72N □ TS01 | 72 | G,J | 34 | 150/150 | 1700 | 0.490 | 400 |
| MWSD1608C82N □ TS01 | 82 | G,J | 34 | 150/150 | 1700 | 0.540 | 400 |
| MWSD1608CR10 □ TS01 | 100 | G,J | 34 | 150/150 | 1400 | 0.580 | 400 |
| MWSD1608CR11 □ TS01 | 110 | G,J | 32 | 150/150 | 1350 | 0.610 | 300 |
| MWSD1608CR12 □ TS01 | 120 | G,J | 32 | 150/150 | 1300 | 0.650 | 300 |
| MWSD1608CR15 □ TS01 | 150 | G,J | 28 | 150/150 | 990 | 0.920 | 280 |
| MWSD1608CR18 □ TS01 | 180 | G,J | 25 | 100/100 | 990 | 1.250 | 240 |
| MWSD1608CR20 □ TS01 | 200 | G,J | 25 | 100/100 | 900 | 1.980 | 200 |
| MWSD1608CR21 □ TS01 | 210 | G,J | 27 | 100/100 | 895 | 2.060 | 200 |
| MWSD1608CR22 □ TS01 | 220 | G,J | 25 | 100/100 | 900 | 2.100 | 200 |
| MWSD1608CR25 □ TS01 | 250 | G,J | 25 | 100/100 | 822 | 3.550 | 120 |
| MWSD1608CR27 □ TS01 | 270 | G,J | 24 | 100/100 | 900 | 2.300 | 170 |
| MWSD1608CR33 □ TS01 | 330 | G,J | 25 | 100/100 | 900 | 3.890 | 100 |
| MWSD1608CR39 □ TS01 | 390 | G,J | 25 | 100/100 | 900 | 4.350 | 100 |

MWSD1608C-B 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 |
| MWSD1608C5N6 □ TB01 | 5.6 | C,D | 38 | 250/250 | 6000 | 0.045 | 1250 |
| MWSD1608C6N8 □ TB01 | 6.8 | C,D,J | 29 | 250/250 | 5800 | 0.116 | 700 |
| MWSD1608C8N2 □ TB01 | 8.2 | C,D,J,K | 30 | 250/250 | 4600 | 0.12 | 700 |
| MWSD1608C10N □ TB03 | 10 | G,H,J,K | 30 | 250/250 | 6000 | 0.13 | 600 |
| MWSD1608C12N □ TB02 | 12 | G,H,J,K | 35 | 250/250 | 6000 | 0.13 | 600 |
| MWSD1608C15N □ TB04 | 15 | G,H,J,K | 37 | 250/250 | 6000 | 0.15 | 550 |
| MWSD1608C18N □ TB03 | 18 | J,K | 37 | 250/250 | 4550 | 0.15 | 700 |
| MWSD1608C22N □ TB01 | 22 | J,K | 38 | 250/250 | 3000 | 0.19 | 700 |
| MWSD1608C23N □ TB02 | 23 | G,H,J,K | 40 | 250/250 | 1800 | 0.20 | 600 |
| MWSD1608C24N □ TB01 | 24 | G,H,J,K | 37 | 250/250 | 2650 | 0.20 | 700 |
| MWSD1608C27N □ TB04 | 27 | G,H,J,K | 38 | 250/250 | 3700 | 0.19 | 600 |
| MWSD1608C30N □ TB01 | 30 | G,H,J,K | 38 | 250/250 | 3300 | 0.22 | 600 |
| MWSD1608C33N □ TB02 | 33 | G,H,J,K | 40 | 250/250 | 3200 | 0.21 | 600 |
| MWSD1608C36N □ TB02 | 36 | J,K | 40 | 250/250 | 2900 | 0.22 | 600 |
| MWSD1608C39N □ TB01 | 39 | J,K | 40 | 250/250 | 2200 | 0.25 | 600 |
| MWSD1608C47N □ TB01 | 47 | G,H,J,K | 38 | 200/200 | 2600 | 0.27 | 600 |
| MWSD1608C56N □ TB03 | 56 | G,H,J,K | 38 | 200/200 | 2400 | 0.35 | 600 |
| MWSD1608C68N □ TB03 | 68 | G,H,J,K | 40 | 200/200 | 2200 | 0.34 | 600 |
| MWSD1608C72N □ TB01 | 72 | G,H,J,K | 34 | 150/150 | 1700 | 0.49 | 400 |

SPECIFICATIONS MWSD1608C-B 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 |
| MWSD1608C82N □ TB04 | 82 | G,H,J,K | 34 | 150/150 | 2000 | 0.50 | 400 |
| MWSD1608CR10 □ TB01 | 100 | G,H,J,K | 34 | 150/150 | 1800 | 0.54 | 400 |
| MWSD1608CR11 □ TB01 | 110 | J,K | 33 | 150/150 | 1350 | 0.61 | 300 |
| MWSD1608CR12 □ TB03 | 120 | G,H,J,K | 33 | 150/150 | 1300 | 0.65 | 300 |
| MWSD1608CR15 □ TB01 | 150 | G,H,J,K | 28 | 150/150 | 990 | 1.00 | 280 |
| MWSD1608CR22 □ TB02 | 220 | G,H,J,K | 25 | 100/100 | 1200 | 2.10 | 200 |
| MWSD1608CR27 □ TB01 | 270 | J,K | 26 | 100/100 | 1000 | 3.00 | 120 |
| MWSD1608CR33 □ TB04 | 334 | J,K | 22 | 100/100 | 560 | 3.89 | 150 |
| MWSD1608CR47 □ TB01 | 470 | G,H,J,K | 30 | 100/100 | 700 | 5.70 | 90 |

MWSD1608C-Y TYPE

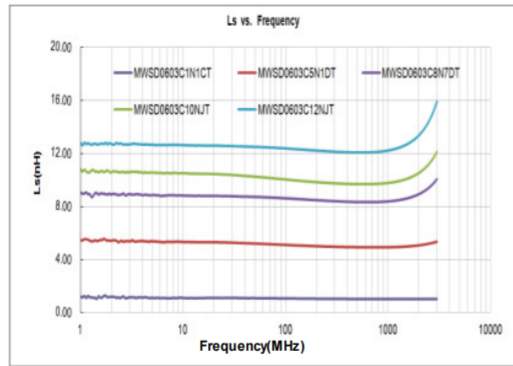
| Part Number | Inductance | Tolerance | Min. Quality Factor | L/Q Test Freq. | Min. Self-resonant Frequency | Max. DC Resistance | Max. Rated Current |
|---------------------|------------|-----------|---------------------|----------------|------------------------------|--------------------|--------------------|
| Units | nH | - | - | MHz | MHz | Ω | mA |
| Symbol | L | - | Q | Freq. | S.R.F | DCR | I _r |
| MWSD1608C5N6 □ TY01 | 5.6 | C,D | 25 | 250/250 | 5500 | 0.108 | 700 |
| MWSD1608C10N □ TY01 | 10.1 | G,H,J,K | 31 | 250/250 | 4800 | 0.13 | 700 |
| MWSD1608C10N □ TY02 | 10 | G,H,J,K | 10 | 100/100 | 6000 | 0.13 | 600 |
| MWSD1608C12N □ TY01 | 12 | G,H,J,K | 30 | 250/250 | 4000 | 0.13 | 700 |
| MWSD1608C15N □ TY02 | 15 | G,H,J,K | 10 | 100/100 | 6000 | 0.15 | 550 |
| MWSD1608C18N □ TY01 | 18.4 | G,H,J,K | 35 | 250/250 | 3100 | 0.17 | 700 |
| MWSD1608C22N □ TY01 | 22.2 | G,H,J,K | 38 | 250/250 | 3000 | 0.19 | 700 |
| MWSD1608C22N □ TY02 | 22 | G,H,J,K | 10 | 100/100 | 4000 | 0.19 | 490 |
| MWSD1608C39N □ TY01 | 39 | G,H,J,K | 11 | 100/100 | 2800 | 0.22 | 460 |
| MWSD1608C47N □ TY01 | 47.9 | G,H,J,K | 38 | 200/200 | 2000 | 0.28 | 600 |
| MWSD1608C56N □ TY03 | 56 | G,H,J,K | 12 | 100/100 | 2400 | 0.35 | 360 |
| MWSD1608C68N □ TY01 | 69.8 | G,H,J,K | 35 | 200/200 | 1700 | 0.34 | 600 |
| MWSD1608C68N □ TY02 | 68 | G,H,J,K | 35 | 200/250 | 1700 | 0.34 | 600 |
| MWSD1608C82N □ TY02 | 82 | G,H,J,K | 12 | 100/100 | 2000 | 0.50 | 300 |
| MWSD1608CR10 □ TY01 | 102.2 | G,H,J,K | 35 | 150/150 | 1500 | 0.71 | 400 |
| MWSD1608CR11 □ TY01 | 111.1 | G,H,J,K | 32 | 150/150 | 1350 | 0.63 | 300 |
| MWSD1608CR12 □ TY01 | 123 | J,K | 32 | 150/150 | 1300 | 0.65 | 300 |
| MWSD1608CR18 □ TY01 | 180 | G,H,J,K | 25 | 100/100 | 1300 | 1.25 | 240 |
| MWSD1608CR22 □ TY01 | 223.8 | G,H,J,K | 25 | 100/100 | 900 | 2.10 | 200 |
| MWSD1608CR22 □ TY02 | 220 | G,H,J,K | 25 | 100/100 | 1200 | 2.10 | 140 |
| MWSD1608CR27 □ TY02 | 270 | G,H,J,K | 24 | 100/100 | 860 | 2.30 | 170 |
| MWSD1608CR33 □ TY02 | 330 | G,H,J,K | 26 | 100/100 | 960 | 4.80 | 90 |
| MWSD1608CR33 □ TY05 | 334 | G,H,J,K | 22 | 100/100 | 560 | 3.89 | 150 |
| MWSD1608CR39 □ TY02 | 390 | G,H,J,K | 22 | 100/100 | 400 | 3.70 | 130 |

※ □: 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%).

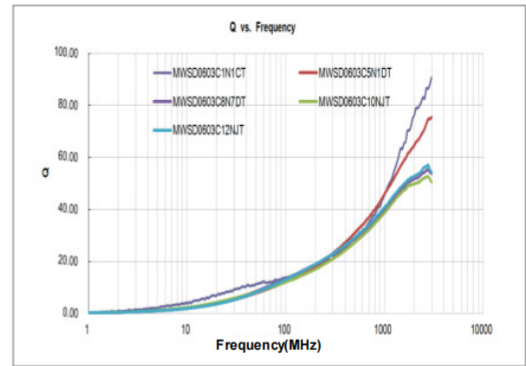
※: Please refer to "Measurement Notice for RF Inductors".

TYPICAL ELECTRICAL CHARACTERISTICS

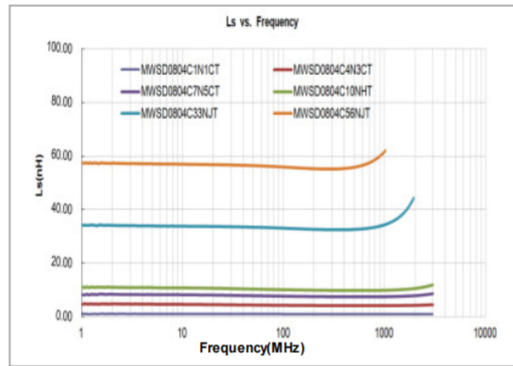
MWSD0603C TYPE
Inductance vs. Frequency Characteristics



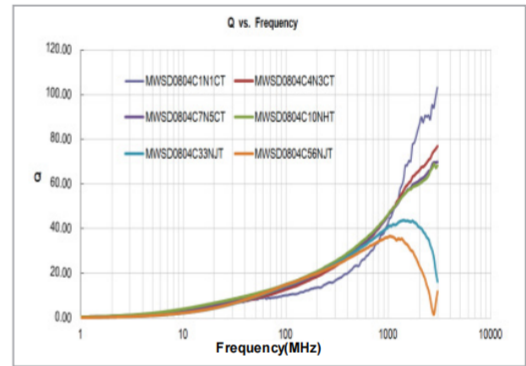
Q vs. Frequency Characteristics



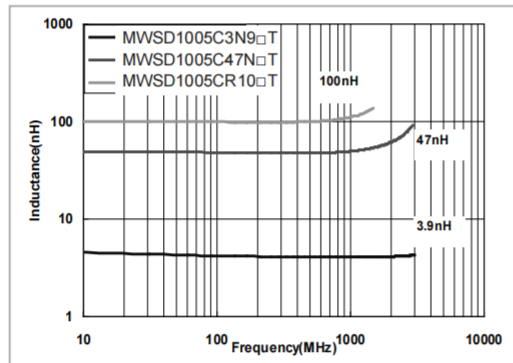
MWSD0804C TYPE
Inductance vs. Frequency Characteristics



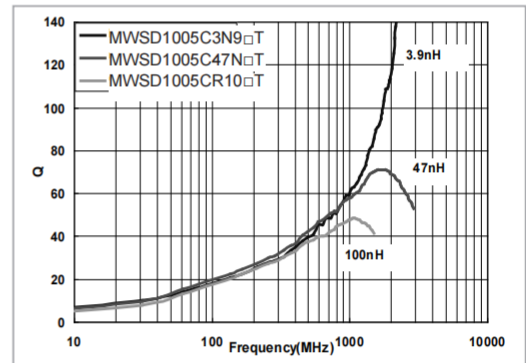
Q vs. Frequency Characteristics



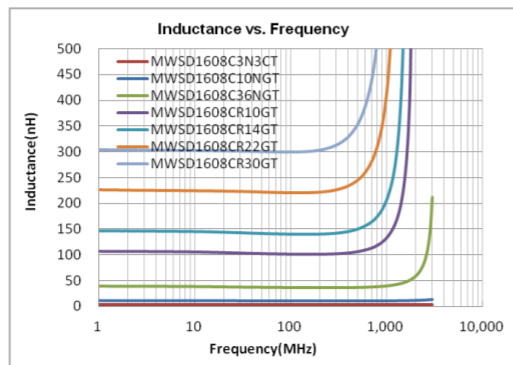
MWSD1005C TYPE
Inductance vs. Frequency Characteristics



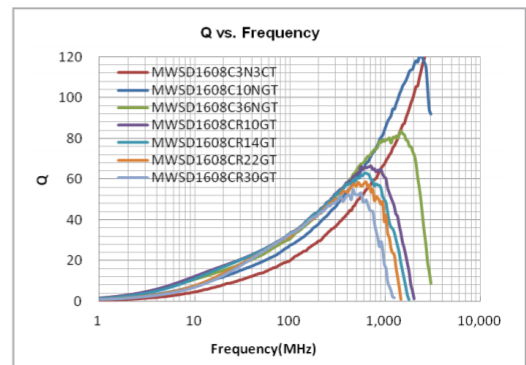
Q vs. Frequency Characteristics



MWSD1608C TYPE
Inductance vs. Frequency Characteristics

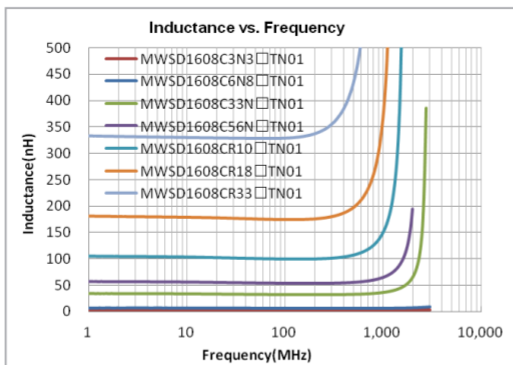


Q vs. Frequency Characteristics

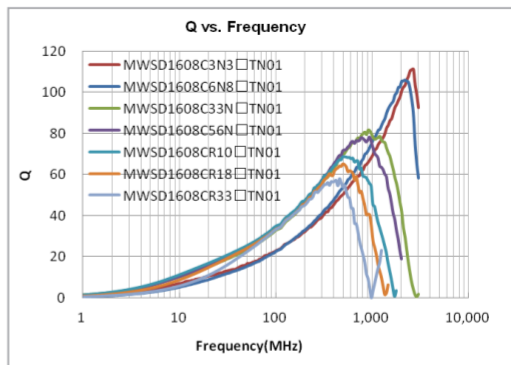


TYPICAL ELECTRICAL CHARACTERISTICS

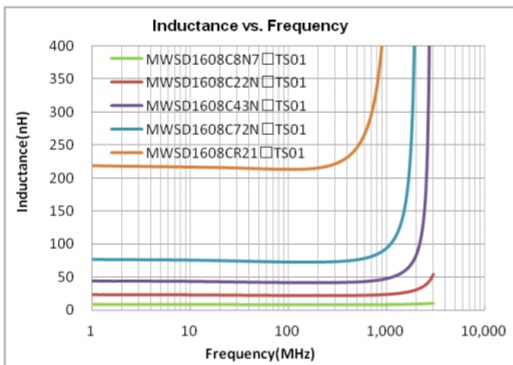
MWSD1608C-N TYPE
Inductance vs. Frequency Characteristics



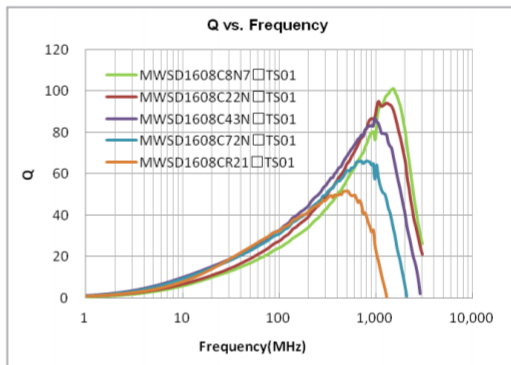
Q vs. Frequency Characteristics



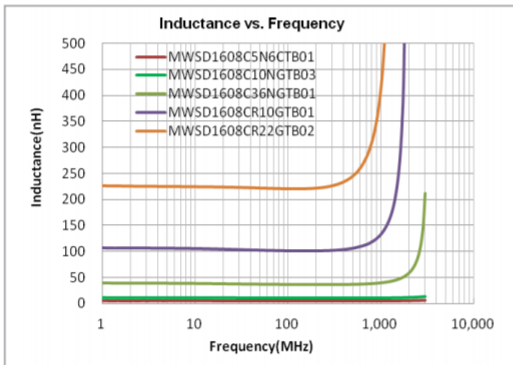
MWSD1608C-S TYPE
Inductance vs. Frequency Characteristics



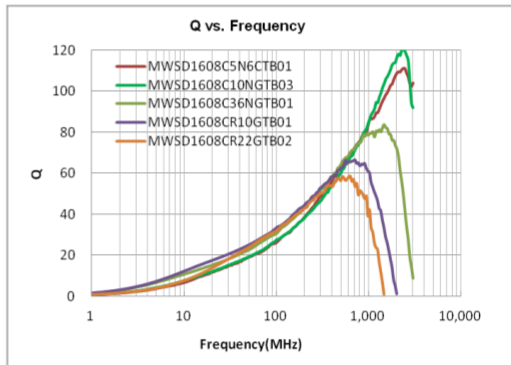
Q vs. Frequency Characteristics



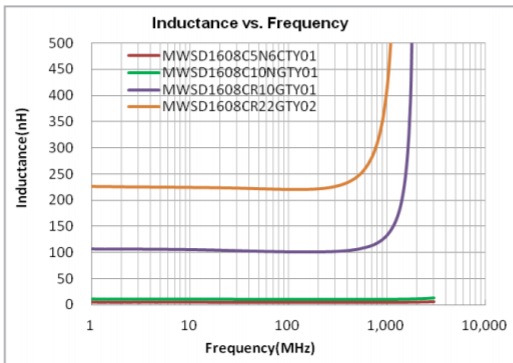
MWSD1608C-B TYPE
Inductance vs. Frequency Characteristics



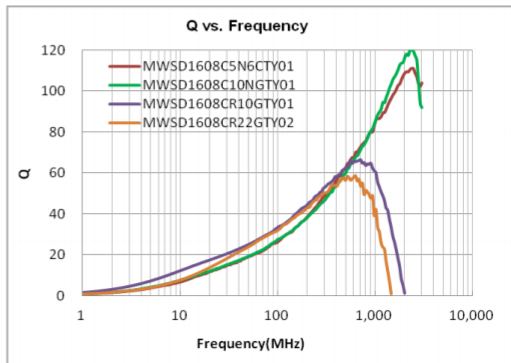
Q vs. Frequency Characteristics



MWSD1608C-Y TYPE
Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics



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