

1. WTI Series (Ceramic Type)

(b). UV glue cover type (Size: 0402(1005)~1008(2520))

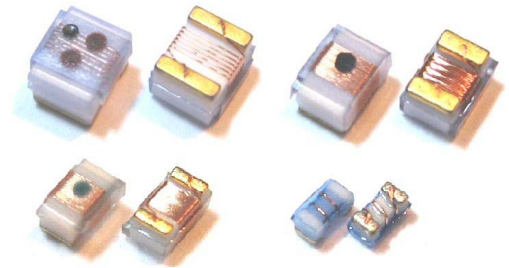
Range of Size: (0402(1005)~1008(2520))

Test Equipment: **HP4286, 4287A & 4291B** - For "Inductance" & "Q"

HP4287A & 8753E - For "SRF"

HP4287A, GOM-801G & 502BC - For "DCR"

Operating Temperature: -40 ~+125

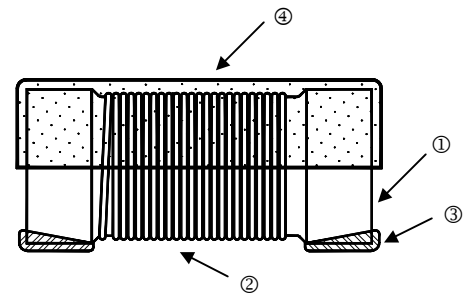


Applications

- > Cordless (DECT/CT1CT2) & Cellular (CDMA/GSM/PHS) Phone.
- > Remote control, wireless security system.
- > WLL, Wireless LAN / Mouse / Keyboard / Earphone.
- > GPS receiver.
- > VCO, RF Module & other wireless products.
- > CATV Filter, Tuner.
- > Cable Modem / XDSL Tuner.
- > Set Top Box.

Features

- > Wirewound ceramic construction provide high SRF.
- > Ultra compact inductors provide exceptional Q values.
- > Low Profile, high Q are available.
- > Outstanding endurance from Pull-up force, mechanical shock and pressure.
- > Smaller size of 0402(1005) & tighter tolerance down to +/- 2%.

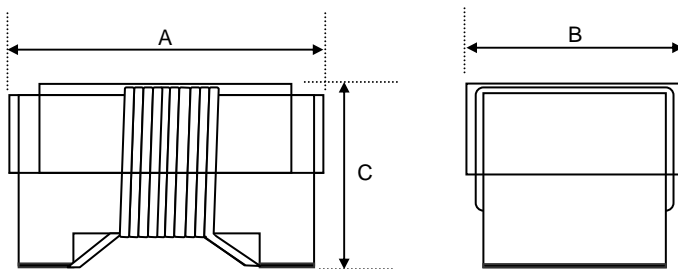


Construction

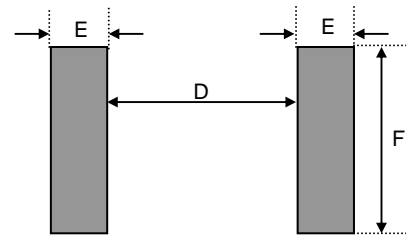
1. Ceramic Core
2. Wire
3. Electrode
4. UV Glue

General Dimensions and Configuration

SHAPE:



PCB PATTERN



DIMENSIONS:

| SERIES | A (m/m) (Max.) | B (m/m) (Max.) | C (m/m) (Max.) | D (m/m) | E (m/m) | F (m/m) |
|-----------|-------------------|-------------------|-------------------|---------|---------|---------|
| WTI-0402C | 1.27 | 0.76 | 0.61 | 0.46 | 0.50 | 0.66 |
| WTI-0603C | 1.80 | 1.12 | 1.02 | 0.64 | 0.64 | 1.02 |
| WTI-0805C | 2.29 | 1.73 | 1.52 | 0.76 | 1.02 | 1.78 |
| WTI-1008C | 2.92 | 2.79 | 2.03 | 1.27 | 1.27 | 2.54 |

1. WTI Series (Ceramic Type)

(b). UV glue cover type (Size: 0402(1005)~1008(2520))

Range of Size: (0402(1005)~1008(2520))

Test Equipment: **HP4286, 4287A & 4291B** - For "Inductance" & "Q"

HP4287A & 8753E - For "SRF"

HP4287A, GOM-801G & 502BC - For "DCR"

Operating Temperature : -40 ~+125

Inductance, SRF, Q and Rated Current ranges

| SERIES | Inductance (nH) | SRF (Min.) (GHz) | Q (Min.) | I (Rated) (mA) |
|-----------|-----------------|------------------|----------|----------------|
| WTI-0402C | 1.00~68 | 12.700~1.620 | 15~25 | 1360~100 |
| WTI-0603C | 1.60~390 | 12.500~0.900 | 16~40 | 700~100 |
| WTI-0805C | 2.70~4700 | 7.900~0.188 | 15~65 | 600~90 |
| WTI-1008C | 10.00~3900 | 4.100~0.100 | 20~65 | 1000~260 |

Color Coding

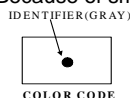
| Color | Figures | Multiplier |
|--------|---------|------------|
| Black | 0 | 1 |
| Brown | 1 | 10 |
| Red | 2 | 100 |
| Orange | 3 | 1000 |
| Yellow | 4 | 10000 |
| Green | 5 | - |
| Blue | 6 | - |
| Violet | 7 | - |
| Gray | 8 | - |
| White | 9 | - |

WTI-0402C Series

No Color Coding

WTI-0603C, WTI-0805C Series

Because of small size, these parts are marked with a single color dot.

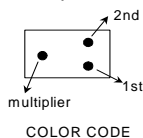


Ex : WTI-0805C-33NJ

MARKING : GRAY

WTI-1008C Series

These parts are marked with 3 color dots.



Ex : WTI-1008C-10NJ

MARKING : Dots 1 and 2 indicate the inductance in nano Henries.

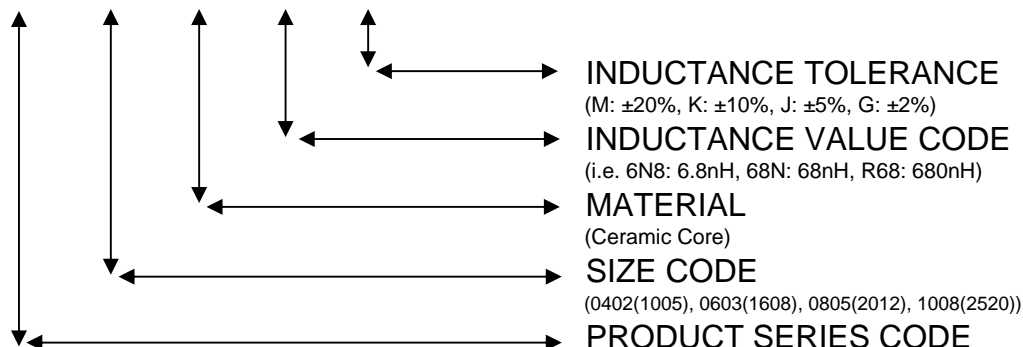
(DOT 1 : BROWN , DOT 2 : BLACK)

MARKING : Dot 3 indicates number of zeroes to be added.

(DOT 3 : BLACK)

Part Numbering Systems

WTI- 0805 C - 68N J



(V) WIRE WOUND CHIP INDUCTORS

Tri-Tron

1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))

Electrical Characteristics

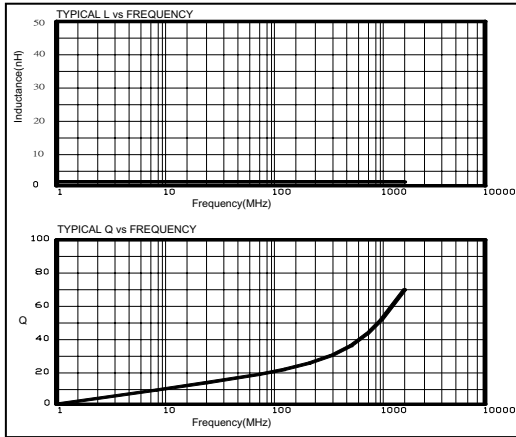
WTI-0402C Series Wire Wound Chip Inductors / UV Glue Cover Type

| Part No. | L (nH) @ _MHz | Inductance Tolerance | Q (Min.) @ _MHz | SRF (Min.) (GHz) | DCR Ω (Max.) | Rated Current (mA) | 900MHz | | 1.7GHz | |
|---------------|------------------|-------------------------|--------------------|---------------------|------------------------|-----------------------|--------|----|--------|-----|
| | | | | | | | L | Q | L | Q |
| WTI-0402C-1N0 | 1.0 @ 250 | K | 16 @ 250 | 12.70 | 0.045 | 1360 | 1.02 | 77 | 1.02 | 69 |
| WTI-0402C-1N9 | 1.9 @ 250 | K | 16 @ 250 | 11.30 | 0.070 | 1040 | 1.72 | 68 | 1.74 | 82 |
| WTI-0402C-2N0 | 2.0 @ 250 | K | 16 @ 250 | 11.10 | 0.070 | 1040 | 1.93 | 54 | 1.93 | 75 |
| WTI-0402C-2N2 | 2.2 @ 250 | K | 19 @ 250 | 10.80 | 0.070 | 960 | 2.19 | 59 | 2.23 | 100 |
| WTI-0402C-2N4 | 2.4 @ 250 | K | 15 @ 250 | 10.50 | 0.070 | 790 | 2.24 | 51 | 2.27 | 68 |
| WTI-0402C-2N7 | 2.7 @ 250 | K | 16 @ 250 | 10.40 | 0.120 | 640 | 2.23 | 42 | 2.25 | 61 |
| WTI-0402C-3N3 | 3.3 @ 250 | K | 19 @ 250 | 7.00 | 0.066 | 840 | 3.10 | 65 | 3.12 | 87 |
| WTI-0402C-3N6 | 3.6 @ 250 | K, J | 19 @ 250 | 6.80 | 0.066 | 840 | 3.56 | 45 | 3.62 | 71 |
| WTI-0402C-3N9 | 3.9 @ 250 | K, J | 19 @ 250 | 5.80 | 0.066 | 840 | 3.89 | 50 | 4.00 | 75 |
| WTI-0402C-4N3 | 4.3 @ 250 | K, J | 18 @ 250 | 6.00 | 0.091 | 700 | 4.19 | 47 | 4.30 | 71 |
| WTI-0402C-4N7 | 4.7 @ 250 | K, J | 18 @ 250 | 4.70 | 0.130 | 640 | 4.55 | 48 | 4.68 | 68 |
| WTI-0402C-5N1 | 5.1 @ 250 | K, J | 20 @ 250 | 4.80 | 0.083 | 800 | 5.15 | 56 | 5.25 | 82 |
| WTI-0402C-5N6 | 5.6 @ 250 | K, J | 20 @ 250 | 4.80 | 0.083 | 760 | 5.16 | 54 | 5.28 | 81 |
| WTI-0402C-6N2 | 6.2 @ 250 | K, J | 20 @ 250 | 4.80 | 0.083 | 760 | 6.16 | 52 | 6.37 | 76 |
| WTI-0402C-6N8 | 6.8 @ 250 | K, J | 20 @ 250 | 4.80 | 0.083 | 680 | 6.56 | 63 | 6.93 | 78 |
| WTI-0402C-7N5 | 7.5 @ 250 | K, J | 22 @ 250 | 4.80 | 0.104 | 680 | 7.91 | 60 | 8.22 | 88 |
| WTI-0402C-8N2 | 8.2 @ 250 | K, J | 22 @ 250 | 4.40 | 0.104 | 680 | 8.50 | 57 | 8.85 | 84 |
| WTI-0402C-8N7 | 8.7 @ 250 | K, J | 18 @ 250 | 4.10 | 0.200 | 480 | 8.78 | 54 | 9.21 | 73 |
| WTI-0402C-9N0 | 9.0 @ 250 | K, J | 22 @ 250 | 4.16 | 0.104 | 680 | 9.07 | 62 | 9.53 | 78 |
| WTI-0402C-9N5 | 9.5 @ 250 | K, J | 18 @ 250 | 4.00 | 0.200 | 480 | 9.42 | 54 | 9.98 | 69 |
| WTI-0402C-10N | 10 @ 250 | K, J, G | 21 @ 250 | 3.90 | 0.195 | 480 | 9.80 | 50 | 10.10 | 67 |
| WTI-0402C-11N | 11 @ 250 | K, J, G | 24 @ 250 | 3.68 | 0.120 | 640 | 10.70 | 52 | 11.20 | 78 |
| WTI-0402C-12N | 12 @ 250 | K, J, G | 24 @ 250 | 3.60 | 0.120 | 640 | 11.90 | 53 | 12.70 | 71 |
| WTI-0402C-13N | 13 @ 250 | K, J, G | 24 @ 250 | 3.45 | 0.210 | 440 | 13.40 | 51 | 14.60 | 57 |
| WTI-0402C-15N | 15 @ 250 | K, J, G | 24 @ 250 | 3.28 | 0.172 | 560 | 14.60 | 55 | 15.50 | 77 |
| WTI-0402C-16N | 16 @ 250 | K, J, G | 24 @ 250 | 3.10 | 0.220 | 560 | 16.60 | 46 | 18.80 | 47 |
| WTI-0402C-18N | 18 @ 250 | K, J, G | 25 @ 250 | 3.10 | 0.230 | 420 | 18.30 | 57 | 20.30 | 62 |
| WTI-0402C-19N | 19 @ 250 | K, J, G | 24 @ 250 | 3.04 | 0.202 | 480 | 19.10 | 50 | 21.10 | 67 |
| WTI-0402C-20N | 20 @ 250 | K, J, G | 25 @ 250 | 3.00 | 0.250 | 420 | 20.70 | 52 | 23.70 | 53 |
| WTI-0402C-22N | 22 @ 250 | K, J, G | 25 @ 250 | 2.80 | 0.300 | 400 | 23.20 | 53 | 26.80 | 53 |
| WTI-0402C-23N | 23 @ 250 | K, J, G | 24 @ 250 | 2.72 | 0.300 | 400 | 23.80 | 49 | 26.90 | 64 |
| WTI-0402C-24N | 24 @ 250 | K, J, G | 25 @ 250 | 2.70 | 0.300 | 400 | 25.10 | 51 | 29.50 | 50 |
| WTI-0402C-27N | 27 @ 250 | K, J, G | 24 @ 250 | 2.48 | 0.300 | 400 | 28.70 | 49 | 33.50 | 63 |
| WTI-0402C-30N | 30 @ 250 | K, J, G | 25 @ 250 | 2.35 | 0.350 | 400 | 31.10 | 46 | 38.50 | 39 |
| WTI-0402C-33N | 33 @ 250 | K, J, G | 24 @ 250 | 2.35 | 0.350 | 400 | 34.90 | 31 | 41.70 | 32 |
| WTI-0402C-36N | 36 @ 250 | K, J, G | 24 @ 250 | 2.32 | 0.440 | 320 | 39.50 | 44 | 48.40 | 53 |
| WTI-0402C-39N | 39 @ 250 | K, J, G | 25 @ 250 | 2.10 | 0.550 | 200 | 41.70 | 47 | 50.20 | 45 |
| WTI-0402C-40N | 40 @ 250 | K, J, G | 24 @ 250 | 2.24 | 0.500 | 320 | 39.00 | 44 | 47.40 | 33 |
| WTI-0402C-43N | 43 @ 250 | K, J, G | 25 @ 250 | 2.03 | 0.810 | 100 | 45.80 | 46 | 61.60 | 34 |
| WTI-0402C-47N | 47 @ 250 | K, J, G | 25 @ 250 | 2.10 | 0.830 | 150 | 50.00 | 38 | 55.80 | 37 |
| WTI-0402C-51N | 51 @ 250 | K, J, G | 25 @ 250 | 1.75 | 0.820 | 100 | 50.40 | 47 | 59.40 | 37 |
| WTI-0402C-56N | 56 @ 250 | K, J, G | 25 @ 250 | 1.76 | 0.970 | 100 | 57.40 | 49 | 72.40 | 40 |
| WTI-0402C-68N | 68 @ 250 | K, J, G | 22 @ 250 | 1.62 | 1.120 | 100 | 69.60 | 45 | 83.40 | 38 |

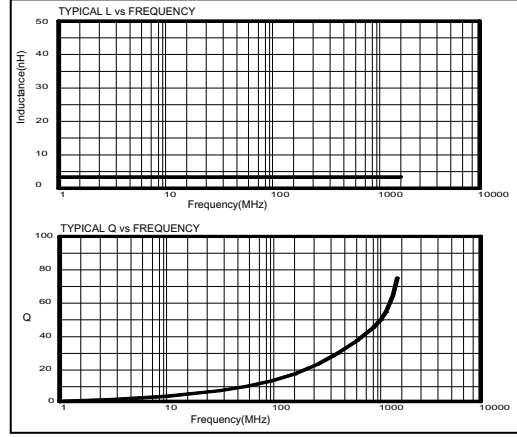
1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))

Rating Curves

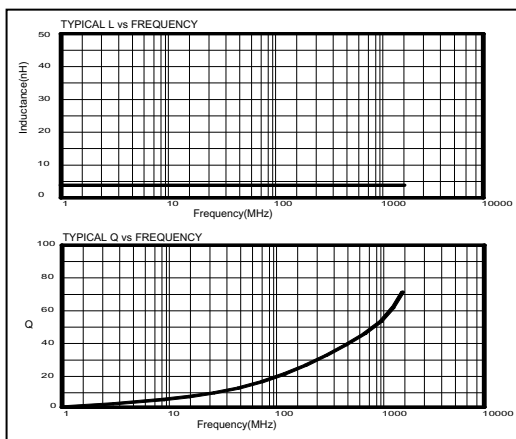
WTI-0402C-1N0J



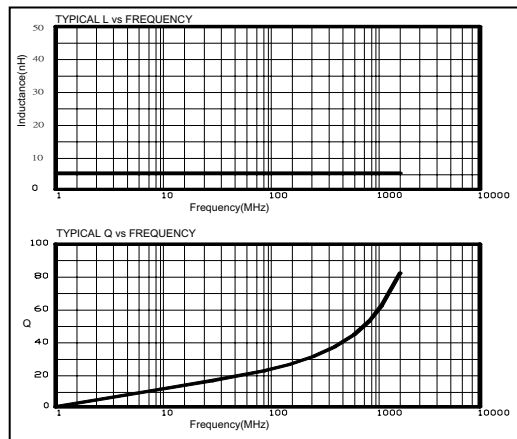
WTI-0402C-3N3J



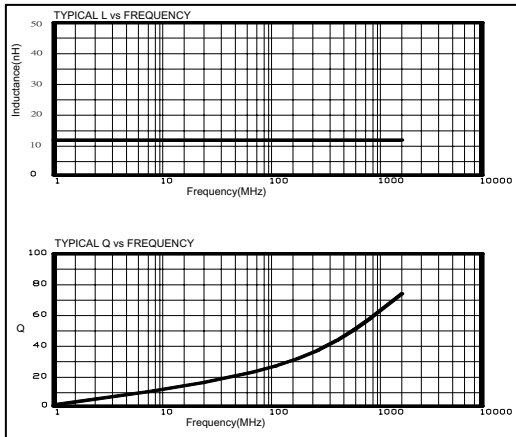
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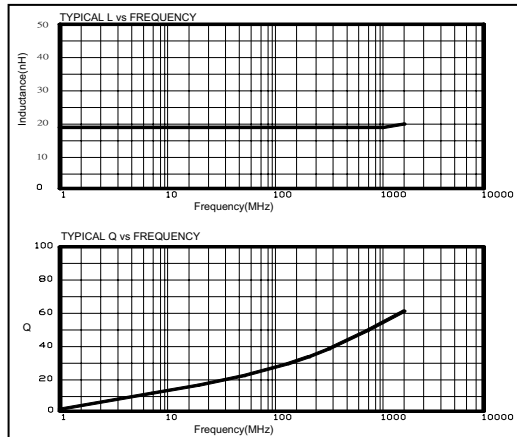
WTI-0402C-5N6J



WTI-0402C-12NJ



WTI-0402C-19NJ



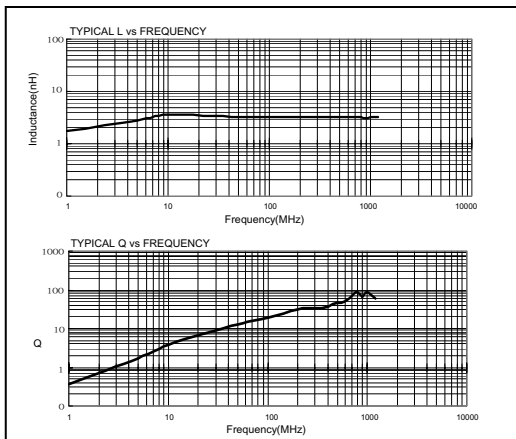
1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))**Electrical Characteristics****WTI-0603C Series Wire Wound Chip Inductors / UV Glue Cover Type**

| Part No. | L (nH) @ _MHz | Inductance Tolerance | Q (Min.) @ _MHz | SRF (Min.) (GHz) | DCR Ω (Max.) | Rated Current (mA) | Color Code |
|---------------|------------------|-------------------------|--------------------|---------------------|------------------------|-----------------------|---------------|
| WTI-0603C-1N6 | 1.6 @ 250 | K, J | 24 @ 250 | 12.500 | 0.030 | 700 | Black |
| WTI-0603C-1N8 | 1.8 @ 250 | K, J | 16 @ 250 | 12.500 | 0.045 | 700 | Brown |
| WTI-0603C-2N1 | 2.1 @ 250 | K, J | 20 @ 250 | 5.800 | 0.050 | 700 | Red |
| WTI-0603C-2N2 | 2.2 @ 250 | K, J | 20 @ 250 | 5.800 | 0.050 | 700 | Orange |
| WTI-0603C-3N3 | 3.3 @ 250 | K, J | 20 @ 250 | 5.500 | 0.070 | 700 | Violet |
| WTI-0603C-3N6 | 3.6 @ 250 | K, J | 22 @ 250 | 5.900 | 0.063 | 700 | Red |
| WTI-0603C-3N9 | 3.9 @ 250 | K, J | 22 @ 250 | 6.900 | 0.080 | 700 | Orange |
| WTI-0603C-4N3 | 4.3 @ 250 | K, J | 22 @ 250 | 5.900 | 0.063 | 700 | Yellow |
| WTI-0603C-4N7 | 4.7 @ 250 | K, J | 20 @ 250 | 5.800 | 0.116 | 700 | Green |
| WTI-0603C-5N1 | 5.1 @ 250 | K, J | 20 @ 250 | 5.700 | 0.140 | 700 | Blue |
| WTI-0603C-5N6 | 5.6 @ 250 | K, J, G | 20 @ 250 | 5.800 | 0.150 | 700 | Gray |
| WTI-0603C-6N1 | 6.1 @ 250 | K, J, G | 25 @ 250 | 5.800 | 0.110 | 700 | White |
| WTI-0603C-6N8 | 6.8 @ 250 | K, J, G | 27 @ 250 | 5.800 | 0.110 | 700 | Violet |
| WTI-0603C-7N5 | 7.5 @ 250 | K, J, G | 28 @ 250 | 4.800 | 0.106 | 700 | Gray |
| WTI-0603C-8N2 | 8.2 @ 250 | K, J, G | 25 @ 250 | 5.800 | 0.120 | 700 | Black |
| WTI-0603C-8N4 | 8.4 @ 250 | K, J, G | 28 @ 250 | 4.600 | 0.109 | 700 | Red |
| WTI-0603C-8N5 | 8.5 @ 250 | K, J, G | 28 @ 250 | 4.600 | 0.109 | 700 | Red |
| WTI-0603C-8N7 | 8.7 @ 250 | J, G | 28 @ 250 | 4.600 | 0.109 | 700 | White |
| WTI-0603C-9N5 | 9.5 @ 250 | J, G | 28 @ 250 | 5.400 | 0.135 | 700 | Black |
| WTI-0603C-10N | 10 @ 250 | J, G | 31 @ 250 | 4.800 | 0.130 | 700 | Brown |
| WTI-0603C-11N | 11 @ 250 | J, G | 33 @ 250 | 4.000 | 0.086 | 700 | Red |
| WTI-0603C-12N | 12 @ 250 | J, G | 35 @ 250 | 4.000 | 0.130 | 700 | Orange |
| WTI-0603C-14N | 14 @ 250 | J, G | 35 @ 250 | 4.000 | 0.170 | 700 | Brown |
| WTI-0603C-15N | 15 @ 250 | J, G | 35 @ 250 | 4.000 | 0.170 | 700 | Yellow |
| WTI-0603C-16N | 16 @ 250 | J, G | 34 @ 250 | 3.300 | 0.104 | 700 | Green |
| WTI-0603C-18N | 18 @ 250 | J, G | 35 @ 250 | 3.100 | 0.170 | 700 | Blue |
| WTI-0603C-22N | 22 @ 250 | J, G | 38 @ 250 | 3.000 | 0.190 | 700 | Violet |
| WTI-0603C-24N | 24 @ 250 | J, G | 37 @ 250 | 2.650 | 0.135 | 700 | Gary |
| WTI-0603C-27N | 27 @ 250 | J, G | 40 @ 250 | 2.800 | 0.220 | 600 | White |
| WTI-0603C-30N | 30 @ 250 | J, G | 37 @ 250 | 2.250 | 0.144 | 600 | Black |
| WTI-0603C-33N | 33 @ 250 | J, G | 40 @ 250 | 2.300 | 0.220 | 600 | Brown |
| WTI-0603C-36N | 36 @ 250 | J, G | 38 @ 250 | 2.080 | 0.250 | 600 | Red |
| WTI-0603C-39N | 39 @ 250 | J, G | 40 @ 250 | 2.200 | 0.250 | 600 | Orange |
| WTI-0603C-43N | 43 @ 250 | J, G | 39 @ 250 | 2.000 | 0.280 | 600 | Yellow |
| WTI-0603C-47N | 47 @ 200 | J, G | 38 @ 200 | 2.000 | 0.280 | 600 | Green |
| WTI-0603C-56N | 56 @ 200 | J, G | 38 @ 200 | 1.900 | 0.310 | 600 | Blue |
| WTI-0603C-68N | 68 @ 200 | J, G | 37 @ 200 | 1.700 | 0.340 | 600 | Violet |
| WTI-0603C-72N | 72 @ 150 | J, G | 34 @ 150 | 1.700 | 0.490 | 400 | Gray |
| WTI-0603C-82N | 82 @ 150 | J, G | 34 @ 150 | 1.700 | 0.540 | 400 | White |
| WTI-0603C-R10 | 100 @ 150 | J, G | 34 @ 150 | 1.400 | 0.580 | 400 | Black |
| WTI-0603C-R11 | 110 @ 150 | J, G | 32 @ 150 | 1.350 | 0.610 | 300 | Brown |
| WTI-0603C-R12 | 120 @ 150 | J, G | 32 @ 150 | 1.300 | 0.650 | 300 | Red |
| WTI-0603C-R15 | 150 @ 150 | J, G | 28 @ 150 | 0.990 | 0.920 | 280 | Orange |
| WTI-0603C-R18 | 180 @ 100 | J, G | 25 @ 100 | 0.990 | 1.250 | 240 | Yellow |
| WTI-0603C-R22 | 220 @ 100 | J, G | 25 @ 100 | 0.900 | 1.900 | 200 | Green |
| WTI-0603C-R27 | 270 @ 100 | J, G | 24 @ 100 | 0.900 | 2.300 | 170 | Blue |
| WTI-0603C-R33 | 330 @ 100 | J, G | 24 @ 100 | 0.900 | 3.900 | 185 | Violet |
| WTI-0603C-R39 | 390 @ 100 | J, G | 24 @ 100 | 0.900 | 4.350 | 100 | Gray |

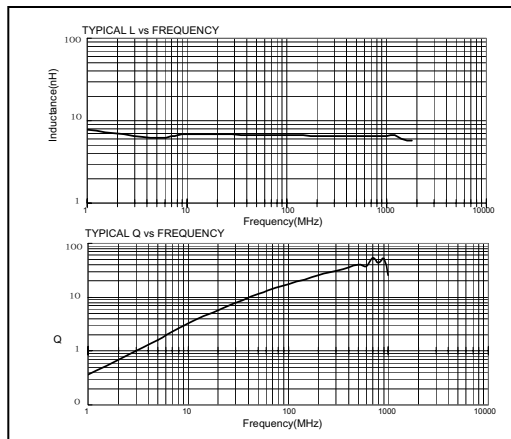
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Rating Curves

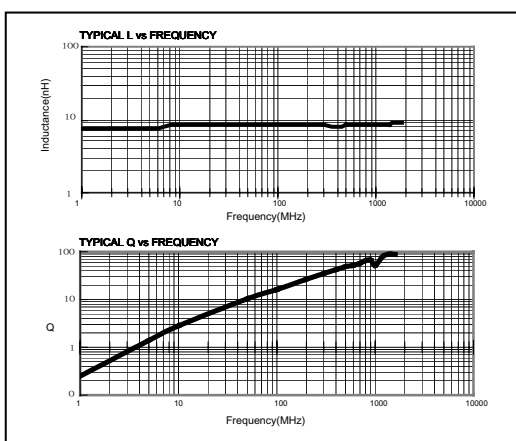
WTI-0603C-3N3J



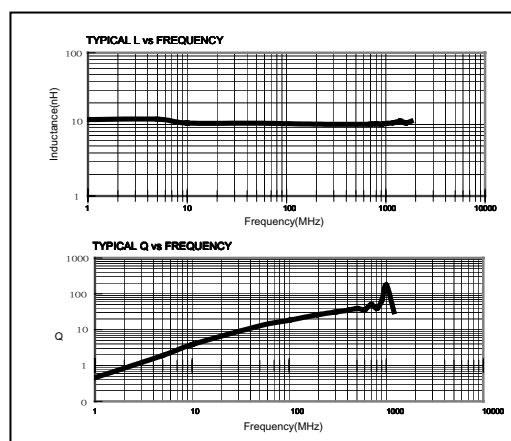
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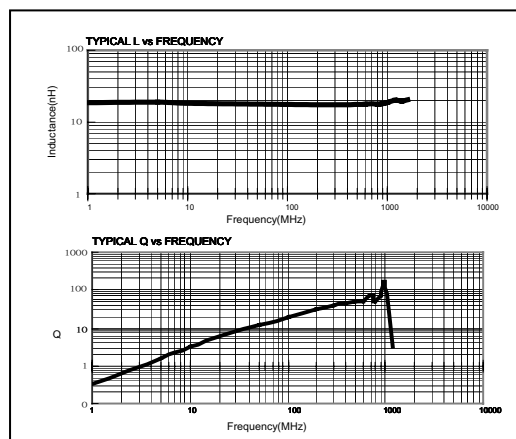
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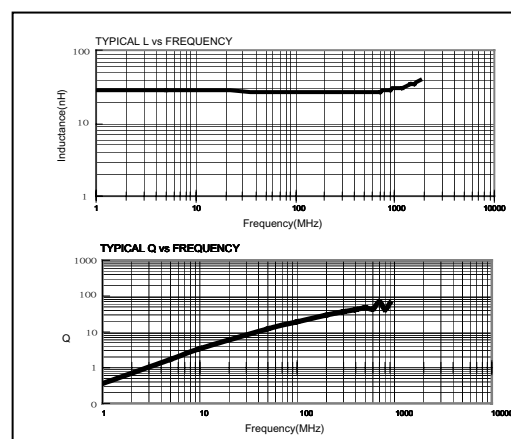
WTI-0603C-10NJ



WTI-0603C-18NJ



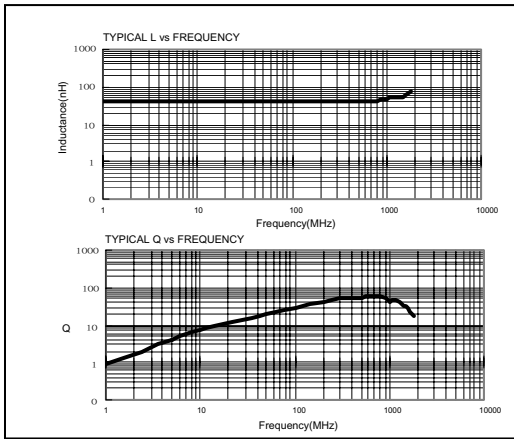
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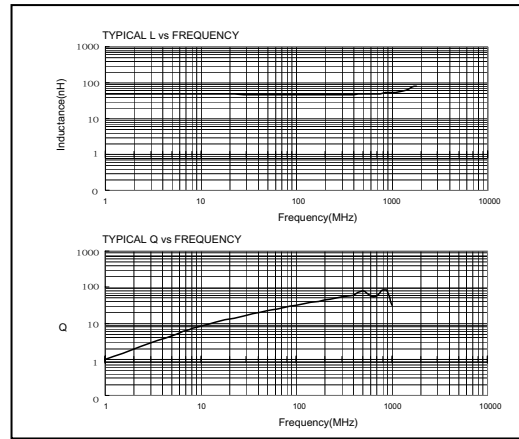
1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))

Rating Curves (Cont'd)

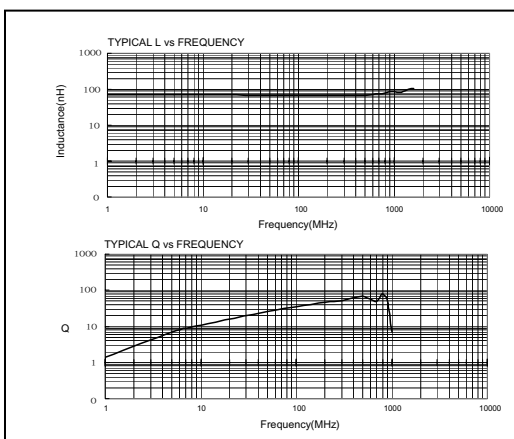
WTI-0603C-39NJ



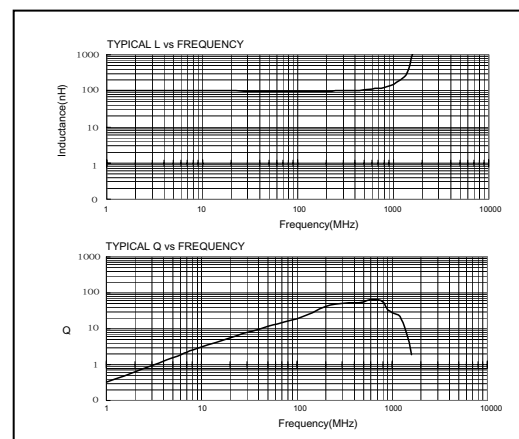
WTI-0603C-47NJ



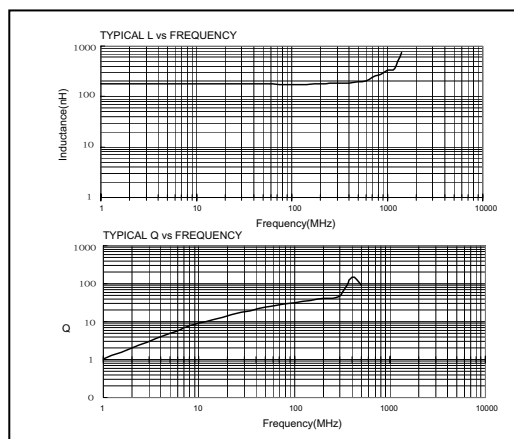
WTI-0603C-68NJ



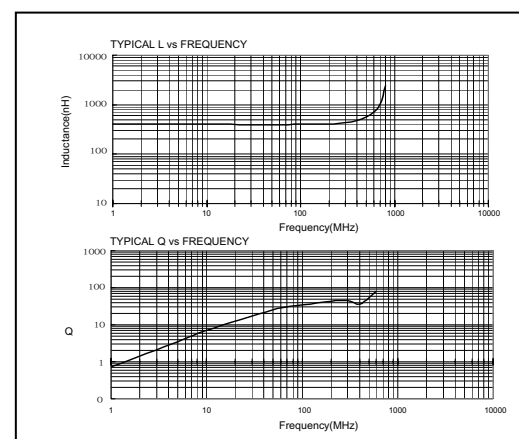
WTI-0603C-R10J



WTI-0603C-R18J



WTI-0603C-R39J



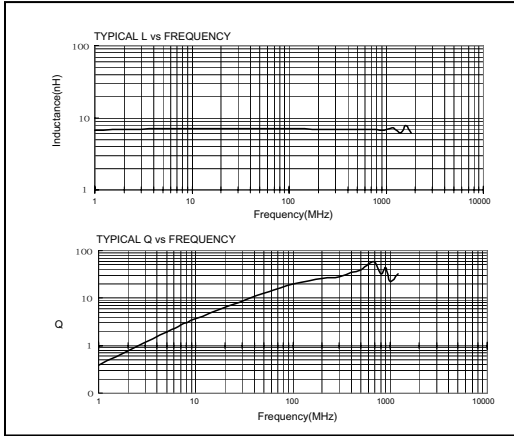
1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))**Electrical Characteristics****WTI-0805C Series Wire Wound Chip Inductors / UV Glue Cover Type**

| Part No. | L (nH) @ _MHz | Inductance Tolerance | Q (Min.) @ _MHz | SRF (Min.) (GHz) | DCR (Max.) | Rated Current (mA) | Color Code |
|---------------|------------------|-------------------------|--------------------|---------------------|---------------|-----------------------|---------------|
| WTI-0805C-2N7 | 2.7 @ 250 | K, J | 35 @ 1000 | 6.000 | 0.080 | 600 | Brown |
| WTI-0805C-3N3 | 3.3 @ 250 | K, J | 50 @ 1500 | 7.900 | 0.080 | 600 | Black |
| WTI-0805C-5N6 | 5.6 @ 250 | K, J | 65 @ 1000 | 5.500 | 0.080 | 600 | Violet |
| WTI-0805C-6N8 | 6.8 @ 250 | K, J | 50 @ 1000 | 5.500 | 0.110 | 600 | Brown |
| WTI-0805C-8N2 | 8.2 @ 250 | K, J, G | 50 @ 1000 | 4.700 | 0.120 | 600 | Red |
| WTI-0805C-10N | 10 @ 250 | K, J, G | 60 @ 500 | 4.200 | 0.100 | 600 | Red |
| WTI-0805C-12N | 12 @ 250 | K, J, G | 45 @ 500 | 4.000 | 0.150 | 600 | Orange |
| WTI-0805C-15N | 15 @ 250 | K, J, G | 50 @ 500 | 3.400 | 0.170 | 600 | Yellow |
| WTI-0805C-18N | 18 @ 250 | K, J, G | 50 @ 500 | 3.300 | 0.200 | 600 | Green |
| WTI-0805C-22N | 22 @ 250 | K, J, G | 55 @ 500 | 2.600 | 0.220 | 500 | Blue |
| WTI-0805C-24N | 24 @ 250 | K, J, G | 50 @ 500 | 2.000 | 0.220 | 500 | Red |
| WTI-0805C-27N | 27 @ 250 | K, J, G | 55 @ 500 | 2.500 | 0.250 | 500 | Violet |
| WTI-0805C-33N | 33 @ 250 | K, J, G | 60 @ 500 | 2.050 | 0.270 | 500 | Gray |
| WTI-0805C-39N | 39 @ 250 | K, J, G | 60 @ 500 | 2.000 | 0.290 | 500 | White |
| WTI-0805C-47N | 47 @ 200 | K, J, G | 60 @ 500 | 1.650 | 0.310 | 500 | Black |
| WTI-0805C-56N | 56 @ 200 | K, J, G | 60 @ 500 | 1.550 | 0.340 | 500 | Brown |
| WTI-0805C-68N | 68 @ 200 | K, J, G | 60 @ 500 | 1.450 | 0.380 | 500 | Red |
| WTI-0805C-82N | 82 @ 150 | K, J, G | 65 @ 500 | 1.300 | 0.420 | 400 | Orange |
| WTI-0805C-R10 | 100 @ 150 | K, J, G | 65 @ 500 | 1.200 | 0.460 | 400 | Yellow |
| WTI-0805C-R11 | 110 @ 150 | K, J, G | 50 @ 500 | 1.100 | 0.480 | 400 | Violet |
| WTI-0805C-R12 | 120 @ 150 | K, J, G | 50 @ 250 | 1.100 | 0.510 | 400 | Green |
| WTI-0805C-R15 | 150 @ 100 | K, J, G | 50 @ 250 | 0.920 | 0.560 | 400 | Blue |
| WTI-0805C-R18 | 180 @ 100 | K, J, G | 50 @ 250 | 0.870 | 0.640 | 400 | Violet |
| WTI-0805C-R22 | 220 @ 100 | K, J, G | 50 @ 250 | 0.850 | 0.700 | 400 | Gray |
| WTI-0805C-R24 | 240 @ 100 | K, J, G | 44 @ 250 | 0.690 | 1.000 | 350 | Black |
| WTI-0805C-R27 | 270 @ 100 | K, J, G | 48 @ 250 | 0.650 | 1.000 | 350 | White |
| WTI-0805C-R30 | 300 @ 150 | K, J, G | 25 @ 250 | 0.600 | 1.400 | 300 | Gray |
| WTI-0805C-R33 | 330 @ 100 | K, J, G | 48 @ 250 | 0.600 | 1.400 | 310 | Black |
| WTI-0805C-R36 | 360 @ 100 | K, J, G | 35 @ 250 | 0.460 | 0.900 | 300 | Orange |
| WTI-0805C-R39 | 390 @ 150 | K, J, G | 48 @ 250 | 0.560 | 1.500 | 290 | Brown |
| WTI-0805C-R43 | 430 @ 100 | K, J, G | 25 @ 100 | 0.400 | 1.700 | 190 | White |
| WTI-0805C-R47 | 470 @ 50 | K, J, G | 33 @ 100 | 0.375 | 1.760 | 250 | Violet |
| WTI-0805C-R56 | 560 @ 25 | K, J, G | 23 @ 50 | 0.340 | 1.900 | 230 | Orange |
| WTI-0805C-R68 | 680 @ 25 | K, J, G | 23 @ 50 | 0.188 | 2.200 | 190 | Green |
| WTI-0805C-R82 | 820 @ 25 | K, J, G | 23 @ 50 | 0.215 | 2.350 | 180 | Brown |
| WTI-0805C-1R0 | 1000 @ 25 | K, J, G | 23 @ 25 | 0.260 | 2.700 | 170 | Black |
| WTI-0805C-1R2 | 1200 @ 7.9 | K, J, G | 18 @ 25 | 0.100 | 2.500 | 170 | White |
| WTI-0805C-1R5 | 1500 @ 7.9 | K, J, G | 16 @ 25 | 0.100 | 2.500 | 170 | Black |
| WTI-0805C-1R8 | 1800 @ 7.9 | K, J, G | 16 @ 7.9 | 0.080 | 2.500 | 170 | Brown |
| WTI-0805C-2R2 | 2200 @ 7.9 | K, J, G | 16 @ 7.9 | 0.060 | 2.700 | 160 | Red |
| WTI-0805C-2R7 | 2700 @ 7.9 | K, J, G | 16 @ 7.9 | 0.050 | 3.100 | 150 | Orange |
| WTI-0805C-3R3 | 3300 @ 7.9 | K, J, G | 15 @ 7.9 | 0.040 | 4.400 | 90 | Blue |
| WTI-0805C-4R7 | 4700 @ 7.9 | K, J, G | 15 @ 7.9 | 0.040 | 6.400 | 90 | Green |

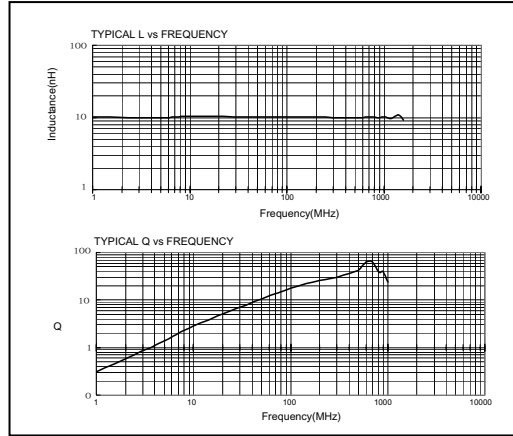
1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))

Rating Curves

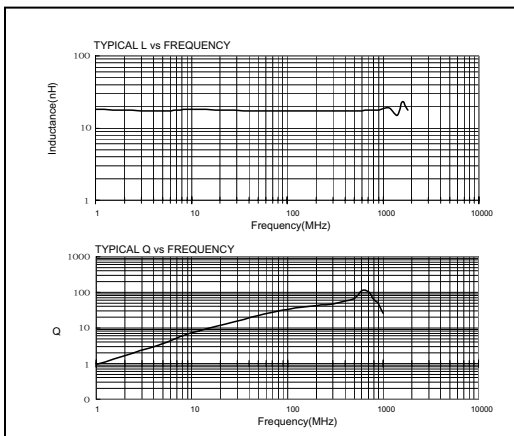
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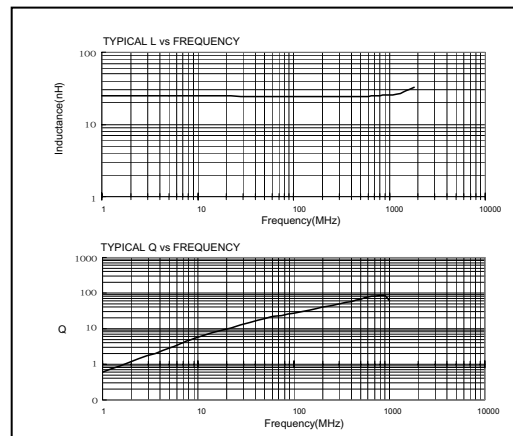
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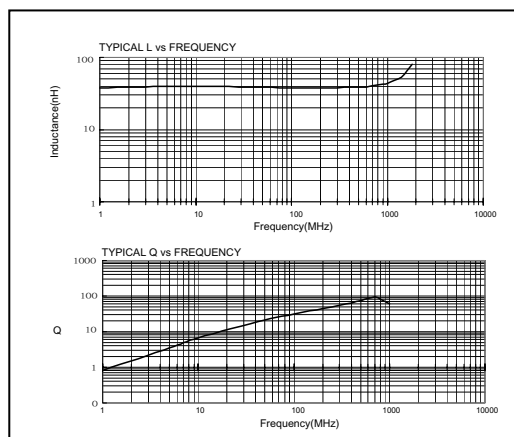
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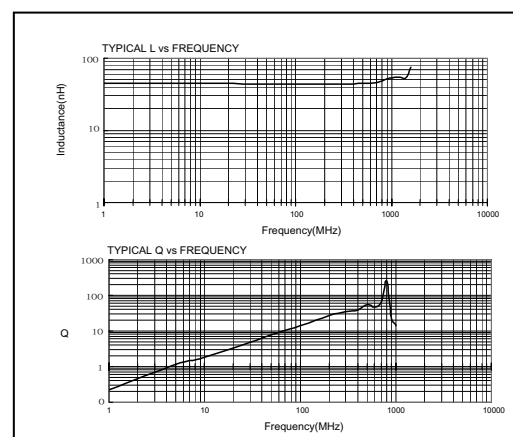
WTI-0805C-24NJ



WTI-0805C-39NJ



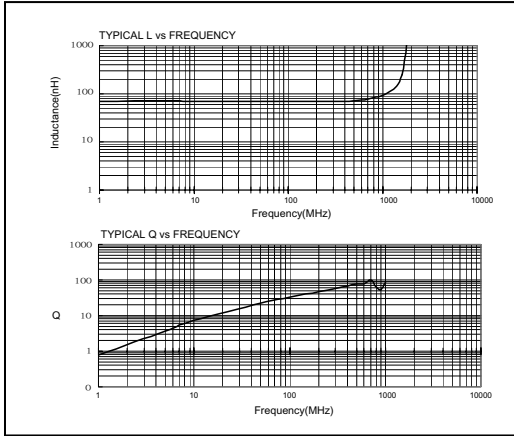
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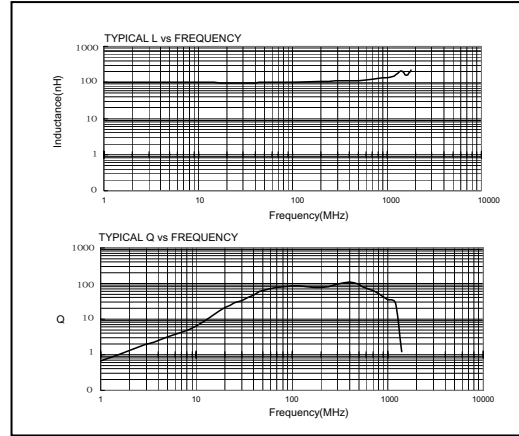
1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))

Rating Curves (Cont'd)

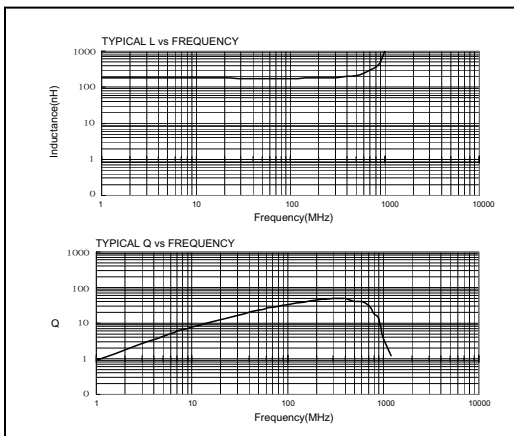
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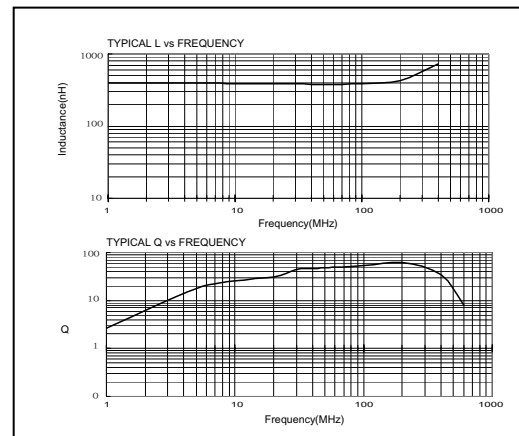
WTI-0805C-R10J



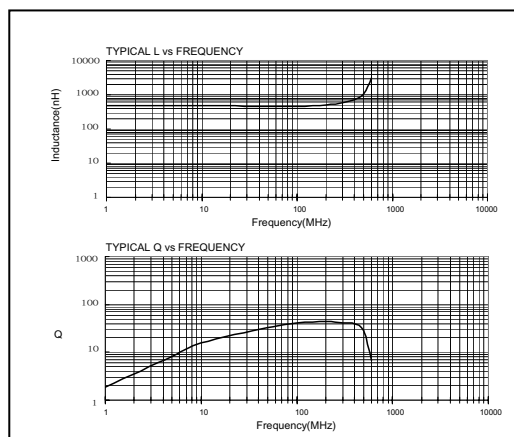
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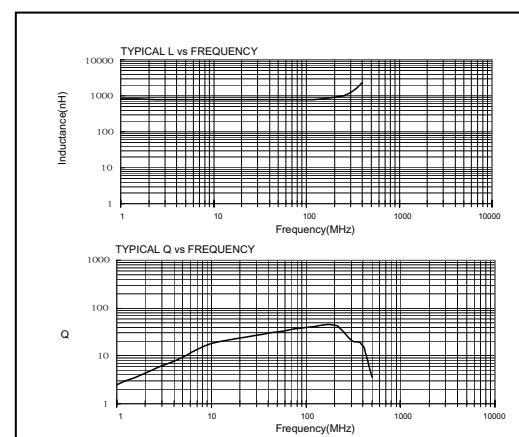
WTI-0805C-R39J



WTI-0805C-R47J



WTI-0805C-R82J



(V) WIRE WOUND CHIP INDUCTORS

Tri-Tron

1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))

Electrical Characteristics

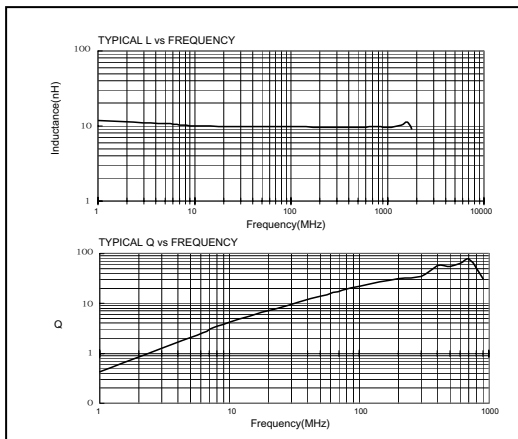
WTI-1008C Series Wire Wound Chip Inductors / UV Glue Cover Type

| Part No. | L (nH) @ _MHz | Inductance Tolerance | Q (Min.) @ _MHz | SRF (Min.) (GHz) | DCR Ω (Max.) | Rated Current (mA) | Color Code | | |
|---------------|------------------|-------------------------|--------------------|---------------------|------------------------|-----------------------|------------|--------|------------|
| | | | | | | | 1st | 2nd | Multiplier |
| WTI-1008C-10N | 10 @ 50 | M , K | 50 @ 500 | 4.100 | 0.08 | 1000 | Brown | Black | Black |
| WTI-1008C-12N | 12 @ 50 | M , K | 50 @ 500 | 3.300 | 0.09 | 1000 | Brown | Red | Black |
| WTI-1008C-15N | 15 @ 50 | M , K | 50 @ 500 | 2.500 | 0.10 | 1000 | Brown | Green | Black |
| WTI-1008C-18N | 18 @ 50 | K , J , G | 50 @ 350 | 2.500 | 0.11 | 1000 | Brown | Gray | Black |
| WTI-1008C-22N | 22 @ 50 | K , J , G | 55 @ 350 | 2.400 | 0.12 | 1000 | Red | Red | Black |
| WTI-1008C-27N | 27 @ 50 | K , J , G | 55 @ 350 | 1.600 | 0.13 | 1000 | Red | Violet | Black |
| WTI-1008C-33N | 33 @ 50 | K , J , G | 60 @ 350 | 1.600 | 0.14 | 1000 | Orange | Orange | Black |
| WTI-1008C-39N | 39 @ 50 | K , J , G | 60 @ 350 | 1.500 | 0.15 | 1000 | Orange | White | Black |
| WTI-1008C-47N | 47 @ 50 | K , J , G | 65 @ 350 | 1.500 | 0.16 | 1000 | Yellow | Violet | Black |
| WTI-1008C-56N | 56 @ 50 | K , J , G | 65 @ 350 | 1.300 | 0.18 | 1000 | Green | Blue | Black |
| WTI-1008C-68N | 68 @ 50 | K , J , G | 65 @ 350 | 1.300 | 0.20 | 1000 | Blue | Gray | Black |
| WTI-1008C-82N | 82 @ 50 | K , J , G | 60 @ 350 | 1.000 | 0.22 | 1000 | Gray | Red | Black |
| WTI-1008C-R10 | 100 @ 25 | K , J , G | 60 @ 350 | 1.000 | 0.56 | 650 | Brown | Black | Brown |
| WTI-1008C-R12 | 120 @ 25 | K , J , G | 60 @ 350 | 0.950 | 0.63 | 650 | Brown | Red | Brown |
| WTI-1008C-R15 | 150 @ 25 | K , J , G | 45 @ 100 | 0.850 | 0.70 | 580 | Brown | Green | Brown |
| WTI-1008C-R18 | 180 @ 25 | K , J , G | 45 @ 100 | 0.750 | 0.77 | 620 | Brown | Gray | Brown |
| WTI-1008C-R22 | 220 @ 25 | K , J , G | 45 @ 100 | 0.700 | 0.84 | 500 | Red | Red | Brown |
| WTI-1008C-R27 | 270 @ 25 | K , J , G | 45 @ 100 | 0.600 | 0.91 | 500 | Red | Violet | Brown |
| WTI-1008C-R33 | 330 @ 25 | K , J , G | 45 @ 100 | 0.570 | 1.05 | 450 | Orange | Orange | Brown |
| WTI-1008C-R36 | 360 @ 25 | K , J , G | 40 @ 100 | 0.500 | 1.05 | 660 | Orange | Blue | Brown |
| WTI-1008C-R39 | 390 @ 25 | K , J , G | 45 @ 100 | 0.500 | 1.12 | 470 | Orange | White | Brown |
| WTI-1008C-R47 | 470 @ 25 | K , J , G | 45 @ 100 | 0.450 | 1.19 | 470 | Yellow | Violet | Brown |
| WTI-1008C-R56 | 560 @ 25 | K , J , G | 45 @ 100 | 0.415 | 1.33 | 400 | Green | Blue | Brown |
| WTI-1008C-R62 | 620 @ 25 | K , J , G | 45 @ 100 | 0.375 | 1.40 | 300 | Blue | Red | Brown |
| WTI-1008C-R68 | 680 @ 25 | K , J , G | 45 @ 100 | 0.375 | 1.47 | 400 | Blue | Gray | Brown |
| WTI-1008C-R75 | 750 @ 25 | K , J , G | 45 @ 100 | 0.360 | 1.54 | 360 | Violet | Green | Brown |
| WTI-1008C-R82 | 820 @ 25 | K , J , G | 45 @ 100 | 0.350 | 1.61 | 400 | Gray | Red | Brown |
| WTI-1008C-R91 | 910 @ 25 | K , J , G | 35 @ 50 | 0.320 | 1.68 | 380 | White | Brown | Brown |
| WTI-1008C-1R0 | 1000 @ 25 | K , J , G | 35 @ 50 | 0.290 | 1.75 | 370 | Brown | Black | Red |
| WTI-1008C-1R2 | 1200 @ 7.9 | K , J , G | 35 @ 50 | 0.250 | 2.00 | 310 | Brown | Red | Red |
| WTI-1008C-1R5 | 1500 @ 7.9 | K , J , G | 28 @ 50 | 0.200 | 2.30 | 330 | Brown | Green | Red |
| WTI-1008C-1R8 | 1800 @ 7.9 | K , J , G | 28 @ 50 | 0.160 | 2.60 | 300 | Brown | Gray | Red |
| WTI-1008C-2R2 | 2200 @ 7.9 | K , J , G | 28 @ 50 | 0.160 | 2.80 | 280 | Red | Red | Red |
| WTI-1008C-2R7 | 2700 @ 7.9 | K , J , G | 22 @ 25 | 0.140 | 3.20 | 290 | Red | Violet | Red |
| WTI-1008C-3R3 | 3300 @ 7.9 | K , J , G | 22 @ 25 | 0.110 | 3.40 | 290 | Orange | Orange | Red |
| WTI-1008C-3R9 | 3900 @ 7.9 | K , J , G | 20 @ 25 | 0.100 | 3.60 | 260 | Orange | White | Red |

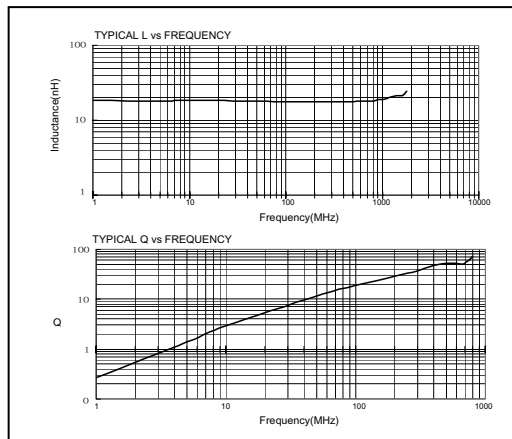
1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))

Rating Curves

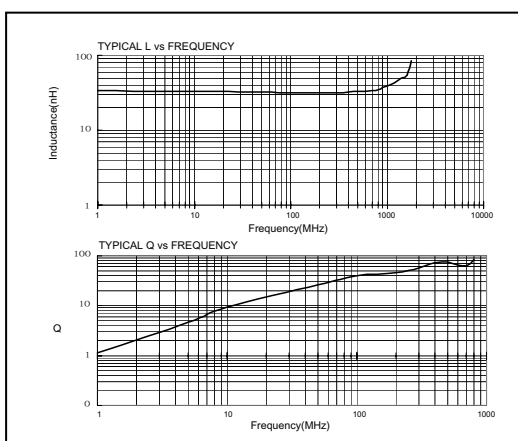
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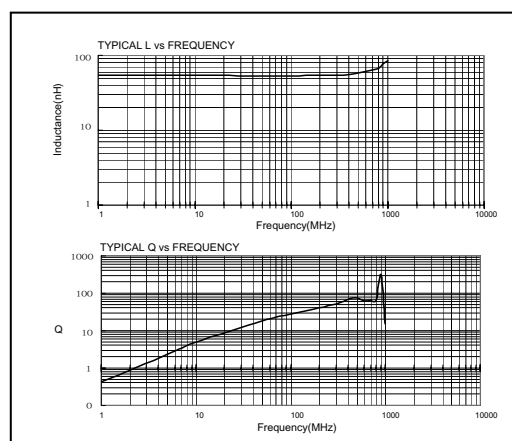
WTI-1008C-18NJ



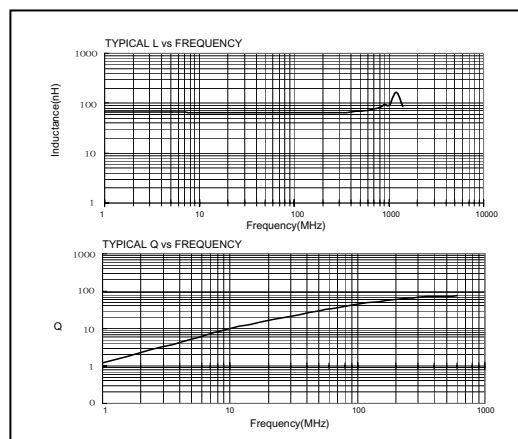
WTI-1008C-33NJ



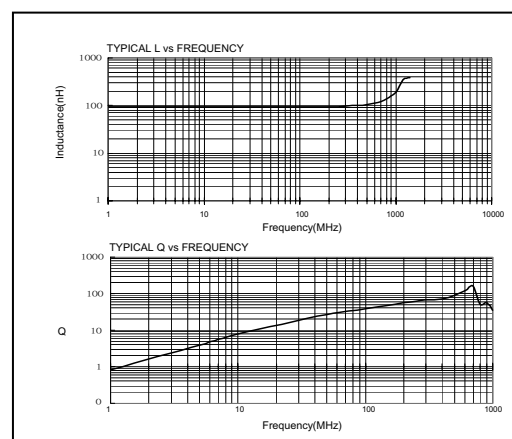
WTI-1008C-56NJ



WTI-1008C-68NJ



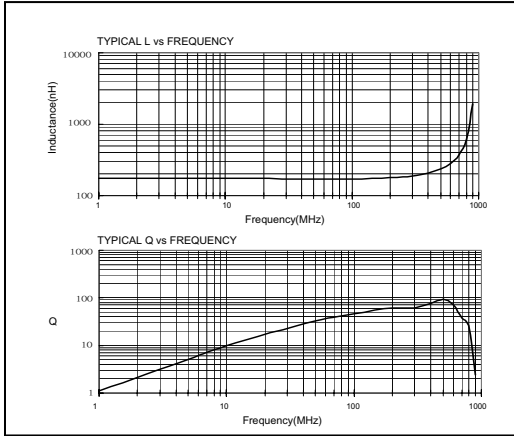
WTI-1008C-R10J



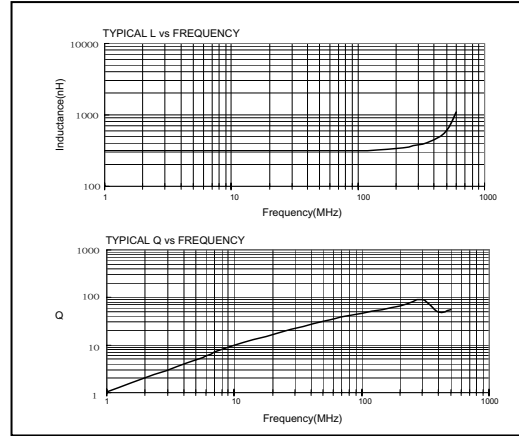
1(b). WTI Series (UV glue cover) (Size: 0402(1005)~1008(2520))

Rating Curves (Cont'd)

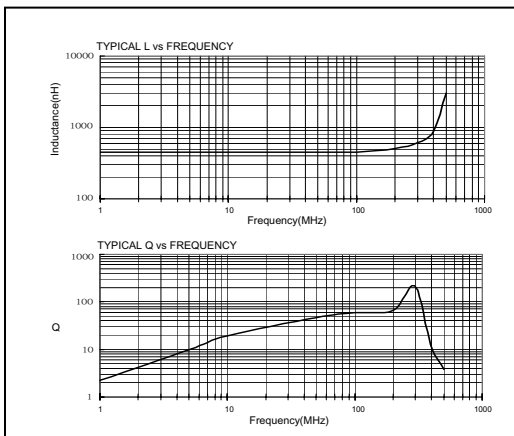
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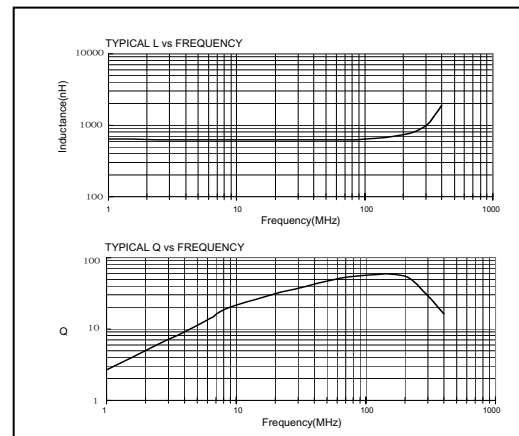
WTI-1008C-R33J



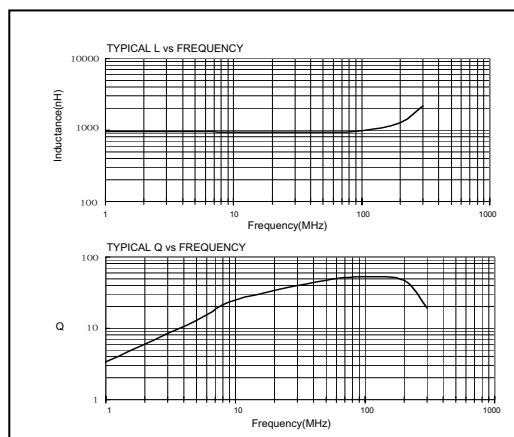
WTI-1008C-R47J



WTI-1008C-R68J



WTI-1008C-1R0J



WTI-1008C-3R3J

