



WIRE-WOUND CHIP INDUCTOR – CERAMIC/OPEN TYPE

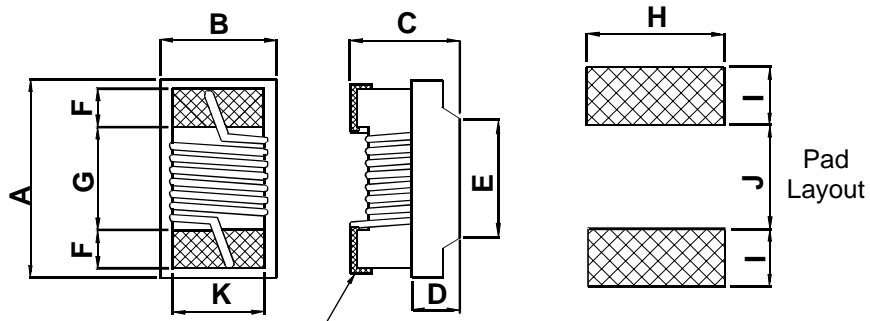
1008CS (2520) Series (5.6 nH~15000 nH)

| Part Number | Inductance nH | Percent Tolerance | Q Min | SRF Min MHz | R _{DC} Max Ohms | I _{DC} Max mA | Color Code |
|-----------------|-----------------|-------------------|--------------|-------------|--------------------------|------------------------|------------|
| *1008CS-5N6E_TS | 5.6 @ 50MHz | 10,5 | 50 @ 1500MHz | 4000 | 0.15 | 1000 | Black |
| *1008CS-100E_TS | 10.0 @ 50MHz | 10,5,2 | 50 @ 500MHz | 4100 | 0.08 | 1000 | Brown |
| *1008CS-120E_TS | 12.0 @ 50MHz | 10,5,2 | 50 @ 500MHz | 3300 | 0.09 | 1000 | Red |
| *1008CS-150E_TS | 15.0 @ 50MHz | 10,5,2 | 50 @ 500MHz | 2500 | 0.11 | 1000 | Orange |
| *1008CS-180E_TS | 18.0 @ 50MHz | 10,5,2 | 50 @ 350MHz | 2400 | 0.12 | 1000 | Yellow |
| *1008CS-220E_TS | 22.0 @ 50MHz | 10,5,2 | 55 @ 350MHz | 2400 | 0.12 | 1000 | Green |
| 1008CS-240E_TS | 24.0 @ 50MHz | 10,5,2 | 55 @ 350MHz | 1900 | 0.12 | 1000 | Blue |
| *1008CS-270E_TS | 27.0 @ 50MHz | 10,5,2 | 55 @ 350MHz | 1600 | 0.13 | 1000 | Violet |
| *1008CS-330E_TS | 33.0 @ 50MHz | 10,5,2 | 60 @ 350MHz | 1600 | 0.14 | 1000 | Gray |
| 1008CS-360E_TS | 36.0 @ 50MHz | 10,5,2 | 60 @ 350MHz | 1600 | 0.15 | 1000 | Orange |
| *1008CS-390E_TS | 39.0 @ 50MHz | 10,5,2 | 60 @ 350MHz | 1500 | 0.15 | 1000 | White |
| *1008CS-470E_TS | 47.0 @ 50MHz | 10,5,2 | 65 @ 350MHz | 1500 | 0.16 | 1000 | Black |
| *1008CS-560E_TS | 56.0 @ 50MHz | 10,5,2 | 65 @ 350MHz | 1300 | 0.18 | 1000 | Brown |
| *1008CS-620E_TS | 62.0 @ 50MHz | 10,5,2 | 65 @ 350MHz | 1250 | 0.20 | 1000 | Blue |
| *1008CS-680E_TS | 68.0 @ 50MHz | 10,5,2 | 65 @ 350MHz | 1300 | 0.20 | 1000 | Red |
| 1008CS-750E_TS | 75.0 @ 50MHz | 10,5,2 | 60 @ 350MHz | 1100 | 0.21 | 1000 | White |
| *1008CS-820E_TS | 82.0 @ 50MHz | 10,5,2 | 60 @ 350MHz | 1000 | 0.22 | 1000 | Orange |
| *1008CS-101E_TS | 100.0 @ 25MHz | 10,5,2 | 60 @ 350MHz | 1000 | 0.56 | 650 | Yellow |
| *1008CS-121E_TS | 120.0 @ 25MHz | 10,5,2 | 60 @ 350MHz | 950 | 0.63 | 650 | Green |
| *1008CS-151E_TS | 150.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 850 | 0.70 | 800 | Blue |
| *1008CS-181E_TS | 180.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 750 | 0.77 | 620 | Violet |
| *1008CS-221E_TS | 220.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 700 | 0.84 | 500 | Gray |
| *1008CS-241E_TS | 240.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 650 | 0.88 | 500 | White |
| *1008CS-271E_TS | 270.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 600 | 0.91 | 690 | Black |
| *1008CS-301E_TS | 300.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 585 | 1.00 | 450 | Brown |
| *1008CS-331E_TS | 330.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 570 | 1.05 | 450 | Red |
| *1008CS-361E_TS | 360.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 530 | 1.10 | 470 | Orange |
| *1008CS-391E_TS | 390.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 500 | 1.12 | 630 | Yellow |
| *1008CS-431E_TS | 430.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 480 | 1.15 | 470 | Green |
| *1008CS-471E_TS | 470.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 450 | 1.19 | 470 | Blue |
| *1008CS-561E_TS | 560.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 415 | 1.33 | 580 | Violet |
| *1008CS-621E_TS | 620.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 375 | 1.40 | 300 | Gray |
| *1008CS-681E_TS | 680.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 375 | 1.47 | 540 | White |
| *1008CS-751E_TS | 750.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 360 | 1.54 | 360 | Black |
| *1008CS-821E_TS | 820.0 @ 25MHz | 10,5,2 | 45 @ 100MHz | 350 | 1.61 | 400 | Brown |
| *1008CS-911E_TS | 910.0 @ 25MHz | 10,5,2 | 35 @ 50MHz | 320 | 1.68 | 380 | Red |
| *1008CS-102E_TS | 1000.0 @ 25MHz | 10,5,2 | 35 @ 50MHz | 290 | 1.75 | 370 | Orange |
| *1008CS-122E_TS | 1200.0 @ 7.9MHz | 10,5,2 | 35 @ 50MHz | 250 | 2.00 | 310 | Yellow |
| *1008CS-152E_TS | 1500.0 @ 7.9MHz | 10,5,2 | 28 @ 50MHz | 200 | 2.30 | 330 | Green |
| *1008CS-182E_TS | 1800.0 @ 7.9MHz | 10,5,2 | 28 @ 50MHz | 160 | 2.60 | 300 | Blue |
| *1008CS-222E_TS | 2200.0 @ 7.9MHz | 10,5,2 | 28 @ 50MHz | 160 | 2.80 | 280 | Violet |
| *1008CS-272E_TS | 2700.0 @ 7.9MHz | 10,5,2 | 22 @ 25MHz | 140 | 3.20 | 290 | Gray |
| *1008CS-332E_TS | 3300.0 @ 7.9MHz | 10,5,2 | 22 @ 25MHz | 110 | 3.40 | 290 | White |
| *1008CS-392E_TS | 3900.0 @ 7.9MHz | 10,5,2 | 20 @ 25MHz | 100 | 3.60 | 260 | Black |
| *1008CS-472E_TS | 4700.0 @ 7.9MHz | 10,5,2 | 18 @ 25MHz | 90 | 4.00 | 260 | Brown |
| 1008CS-562E_TS | 5600.0 @ 7.9MHz | 10,5,2 | 16 @ 7.96MHz | 20 | 4.00 | 240 | Red |
| 1008CS-682E_TS | 6800.0 @ 7.9MHz | 10,5,2 | 15 @ 7.96MHz | 40 | 4.90 | 200 | Orange |
| 1008CS-822E_TS | 8200.0 @ 7.9MHz | 10,5,2 | 15 @ 7.96MHz | 25 | 6.00 | 170 | Yellow |
| 1008CS-103E_TS | 10000 @ 2.52MHz | 10,5,2 | 15 @ 7.96MHz | 20 | 9.00 | 150 | Green |
| 1008CS-123E_TS | 12000 @ 2.52MHz | 10,5,2 | 15 @ 7.96MHz | 18 | 10.5 | 130 | Blue |
| 1008CS-153E_TS | 15000 @ 2.52MHz | 10,5,2 | 15 @ 7.96MHz | 15 | 11.5 | 120 | Violet |

Working Temperature : -40 °C ~ 125 °C

* TEST METHODS /INSTRUMENT : NETWORK/SPECTRUM ANALYZER.

Shape & Dimension



Terminal wraparound:
Approx. 0.018/0.45 both ends

| | A | | B | | C | | D Ref. | E Ref. | F | G | H | I | J | K |
|------|-------|-------|-------|-------|-------|-------|-----------|-----------|-------|-------|-------|-------|-------|-------|
| | Max. | Ref. | Max. | Ref. | Max. | Ref. | | | | | | | | |
| Inch | 0.115 | 0.103 | 0.110 | 0.095 | 0.080 | 0.072 | 0.025 | 0.065 | 0.020 | 0.060 | 0.100 | 0.040 | 0.050 | 0.080 |
| mm | 2.92 | 2.60 | 2.79 | 2.40 | 2.03 | 1.82 | 0.65 | 1.65 | 0.51 | 1.52 | 2.54 | 1.02 | 1.27 | 2.03 |

Parts/Reel: 7" 2,000 PCS

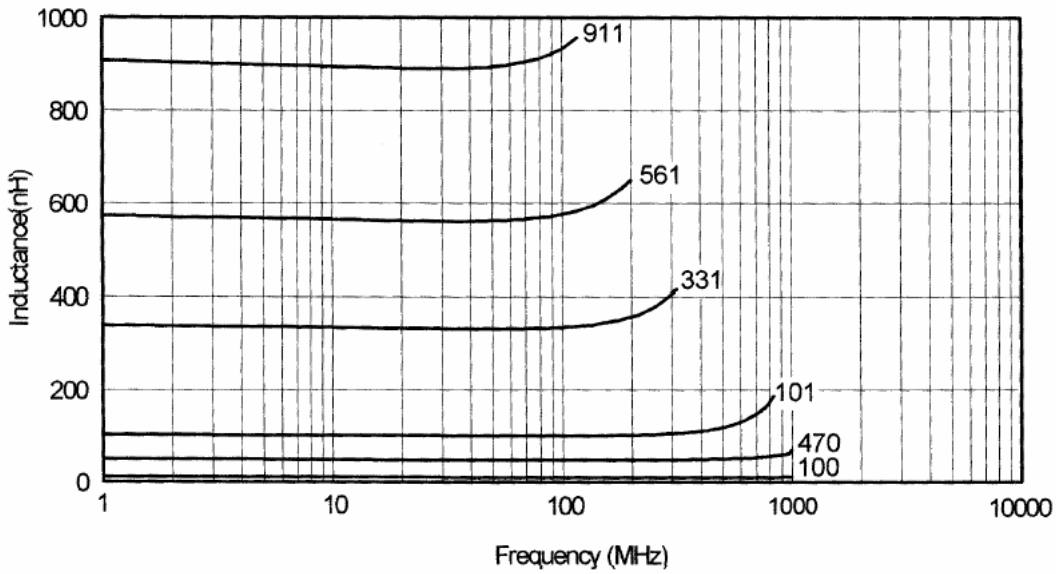
Tape Width: 8mm

Q vs F & L vs F Curve

WIRE-WOUND CHIP INDUCTOR

1008CS Series (2520)

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY

