



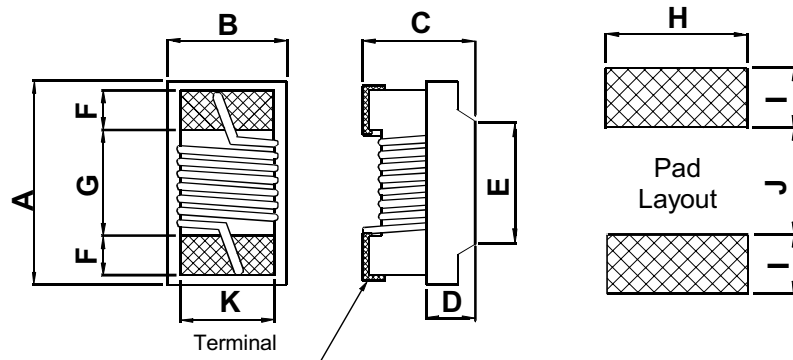
WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0805 (2012)

0805CS Series (2.8 ~ 2700nH)

| Part Number | Inductance nH | Percent Tolerance | Q Min | SRF Min MHz | R _{DC} Max Ohms | I _{DC} Max mA | Color Code |
|----------------|---------------|-------------------|--------------|-------------|--------------------------|------------------------|------------|
| 0805CS-2N8E_PS | 2.8 @ 250MHz | 10,5 | 80 @ 1500MHz | 7900 | 0.06 | 800 | Gray |
| 0805CS-3N0E_PS | 3.0 @ 250MHz | 10,5 | 65 @ 1500MHz | 7900 | 0.06 | 800 | White |
| 0805CS-3N3E_PS | 3.3 @ 250MHz | 10,5 | 50 @ 1500MHz | 6000 | 0.08 | 600 | Black |
| 0805CS-5N6E_PS | 5.6 @ 250MHz | 10,5 | 65 @ 1000MHz | 5500 | 0.08 | 600 | Orange |
| 0805CS-6N8E_PS | 6.8 @ 250MHz | 10,5 | 50 @ 1000MHz | 5500 | 0.11 | 600 | Brown |
| 0805CS-7N5E_PS | 7.5 @ 250MHz | 10,5 | 50 @ 1000MHz | 4500 | 0.14 | 600 | Green |
| 0805CS-8N2E_PS | 8.2 @ 250MHz | 10,5 | 50 @ 1000MHz | 4700 | 0.12 | 600 | Red |
| 0805CS-100E_PS | 10.0 @ 250MHz | 10,5,2 | 60 @ 500MHz | 4200 | 0.10 | 600 | Blue |
| 0805CS-120E_PS | 12.0 @ 250MHz | 10,5,2 | 50 @ 500MHz | 4000 | 0.15 | 600 | Orange |
| 0805CS-150E_PS | 15.0 @ 250MHz | 10,5,2 | 50 @ 500MHz | 3400 | 0.17 | 600 | Yellow |
| 0805CS-180E_PS | 18.0 @ 250MHz | 10,5,2 | 50 @ 500MHz | 3300 | 0.20 | 600 | Green |
| 0805CS-220E_PS | 22.0 @ 250MHz | 10,5,2 | 55 @ 500MHz | 2600 | 0.22 | 500 | Blue |
| 0805CS-240E_PS | 24.0 @ 250MHz | 10,5,2 | 50 @ 500MHz | 2000 | 0.22 | 500 | Gray |
| 0805CS-270E_PS | 27.0 @ 250MHz | 10,5,2 | 55 @ 500MHz | 2500 | 0.25 | 500 | Violet |
| 0805CS-330E_PS | 33.0 @ 250MHz | 10,5,2 | 60 @ 500MHz | 2050 | 0.27 | 500 | Gray |
| 0805CS-360E_PS | 36.0 @ 250MHz | 10,5,2 | 55 @ 500MHz | 1700 | 0.27 | 500 | Orange |
| 0805CS-390E_PS | 39.0 @ 250MHz | 10,5,2 | 60 @ 500MHz | 2000 | 0.29 | 500 | White |
| 0805CS-430E_PS | 43.0 @ 200MHz | 10,5,2 | 60 @ 500MHz | 1650 | 0.34 | 500 | Yellow |
| 0805CS-470E_PS | 47.0 @ 200MHz | 10,5,2 | 60 @ 500MHz | 1650 | 0.31 | 500 | Black |
| 0805CS-560E_PS | 56.0 @ 200MHz | 10,5,2 | 60 @ 500MHz | 1550 | 0.34 | 500 | Brown |
| 0805CS-680E_PS | 68.0 @ 200MHz | 10,5,2 | 60 @ 500MHz | 1450 | 0.38 | 500 | Red |
| 0805CS-820E_PS | 82.0 @ 150MHz | 10,5,2 | 65 @ 500MHz | 1300 | 0.42 | 400 | Orange |
| 0805CS-910E_PS | 91.0 @ 150MHz | 10,5,2 | 65 @ 500MHz | 1200 | 0.48 | 400 | Black |
| 0805CS-101E_PS | 100 @ 150MHz | 10,5,2 | 65 @ 500MHz | 1200 | 0.46 | 400 | Yellow |
| 0805CS-111E_PS | 110 @ 150MHz | 10,5,2 | 50 @ 250MHz | 1000 | 0.48 | 400 | Brown |
| 0805CS-121E_PS | 120 @ 150MHz | 10,5,2 | 50 @ 250MHz | 1100 | 0.51 | 400 | Green |
| 0805CS-151E_PS | 150 @ 100MHz | 10,5,2 | 50 @ 250MHz | 920 | 0.56 | 400 | Blue |
| 0805CS-181E_PS | 180 @ 100MHz | 10,5,2 | 50 @ 250MHz | 870 | 0.64 | 400 | Violet |
| 0805CS-221E_PS | 220 @ 100MHz | 10,5,2 | 50 @ 250MHz | 850 | 0.70 | 400 | Gray |
| 0805CS-241E_PS | 240 @ 100MHz | 10,5,2 | 44 @ 250MHz | 690 | 1.00 | 350 | Red |
| 0805CS-271E_PS | 270 @ 100MHz | 10,5,2 | 48 @ 250MHz | 650 | 1.00 | 350 | White |
| 0805CS-331E_PS | 330 @ 100MHz | 10,5,2 | 48 @ 250MHz | 600 | 1.40 | 310 | Black |
| 0805CS-391E_PS | 390 @ 100MHz | 10,5,2 | 48 @ 250MHz | 560 | 1.50 | 290 | Brown |
| 0805CS-471E_PS | 470 @ 50MHz | 10,5,2 | 33 @ 100MHz | 375 | 1.70 | 220 | Red |
| 0805CS-561E_PS | 560 @ 25MHz | 10,5,2 | 23 @ 50MHz | 340 | 1.90 | 210 | Orange |
| 0805CS-621E_PS | 620 @ 25MHz | 10,5,2 | 23 @ 50MHz | 220 | 2.20 | 210 | Yellow |
| 0805CS-681E_PS | 680 @ 25MHz | 10,5,2 | 23 @ 50MHz | 200 | 2.20 | 190 | Green |
| 0805CS-751E_PS | 750 @ 25MHz | 10,5,2 | 23 @ 50MHz | 200 | 2.30 | 180 | Blue |
| 0805CS-821E_PS | 820 @ 25MHz | 10,5,2 | 23 @ 50MHz | 200 | 2.35 | 180 | Violet |
| 0805CS-102E_PS | 1000 @ 25MHz | 10,5,2 | 20 @ 50MHz | 100 | 2.50 | 170 | Gray |
| 0805CS-122E_PS | 1200 @ 7.9MHz | 10,5,2 | 18 @ 25MHz | 100 | 2.50 | 170 | White |
| 0805CS-152E_PS | 1500 @ 7.9MHz | 10,5,2 | 16 @ 25MHz | 100 | 2.50 | 170 | Black |
| 0805CS-182E_PS | 1800 @ 7.9MHz | 10,5,2 | 16 @ 7.9MHz | 80 | 2.50 | 170 | Brown |
| 0805CS-222E_PS | 2200 @ 7.9MHz | 10,5,2 | 16 @ 7.9MHz | 60 | 2.70 | 160 | Red |
| 0805CS-272E_PS | 2700 @ 7.9MHz | 10,5,2 | 16 @ 7.9MHz | 50 | 2.95 | 150 | Orange |

Working Temperature Range : -40 °C ~ 125 °C

Shape & Dimension



Terminal wraparound:
 Approx. 0.015/0.38 both ends

| | A | | B | | C | | D Ref. | E Ref. | F | G | H | I | J | K |
|------|------|-------|-------|-------|-------|-------|-----------|-----------|-------|-------|-------|-------|-------|-------|
| | Max. | Ref. | Max. | Ref. | Max. | Ref. | | | | | | | | |
| Inch | 0.09 | 0.083 | 0.068 | 0.065 | 0.060 | 0.055 | 0.020 | 0.050 | 0.018 | 0.040 | 0.070 | 0.040 | 0.030 | 0.050 |
| mm | 2.29 | 2.10 | 1.73 | 1.65 | 1.52 | 1.40 | 0.51 | 1.27 | 0.44 | 1.02 | 1.78 | 1.02 | 0.76 | 1.27 |

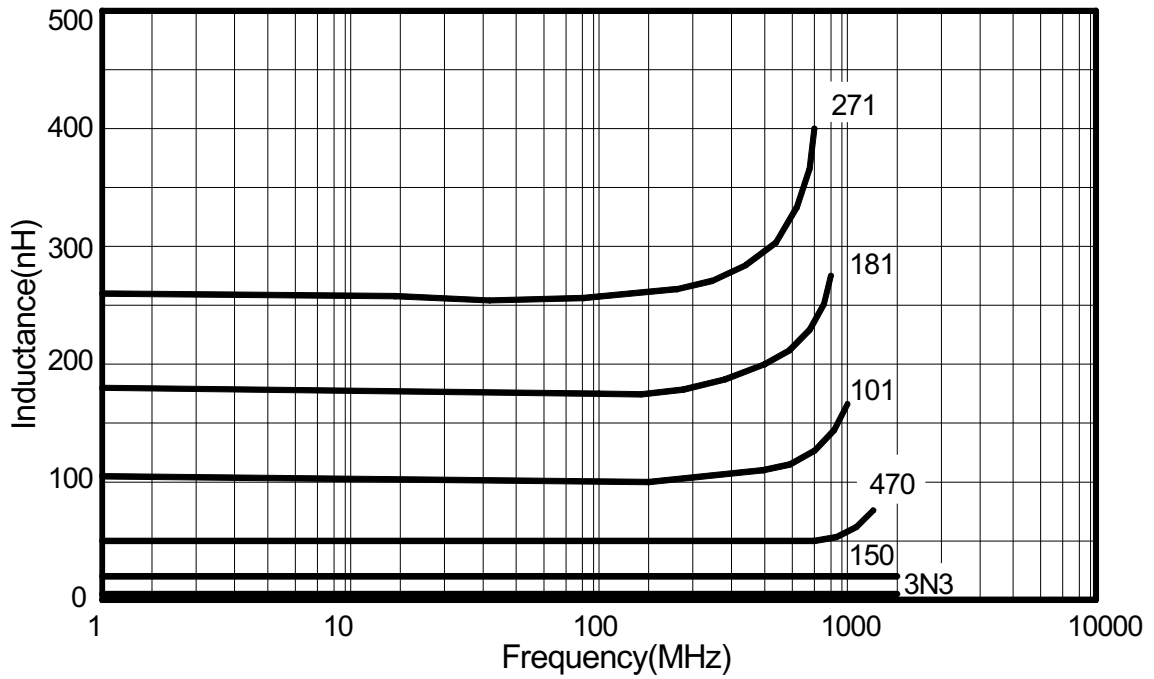
Parts/Reel: 7" 2,000 PCS
 Tape Width: 8mm



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0805CS Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY

