



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

## 0805CS Series Part Numbering

### Part Numbering (Example)

( Ex. )    0805   C   S -   101   E   J   T   S

**SIZE**

0402	1.0 * 0.5 mm
0603	1.6 * 0.8 mm
0805	2.0 * 1.2 mm
1008	2.5 * 2.0 mm
1206	3.2 * 1.6 mm
1210	3.2 * 2.5 mm

**SHAPE**

C : C SHAPE  
H : H SHAPE

**PROFILE**

S: STANDARD  
T: LOW PROFILE  
Q: HIGH Q  
C: HIGH CURRENT

**INDUCTANCE**

- FIRST 2 DIGITS ARE SIGNIFICANT  
- 3 DIGIT IS MULTIPLIER

**PACK/ FEATURE**

S =EIA RS481 CLEAR TAPE & REEL  
/STANDARD TYPE.

**TERMINAL TYPE/MATERIAL.**

T = TERMINAL , CERAMIC CORE (SUBSTRATE)  
F = FERRITE CORE (SUBSTRATE)

**INDUCTANCE TOLERANCE**

G=±2%, H=±3%, J =±5%, K=±10%, M=±20%  
B=±0.1nH, C=±0.2nH, D=±0.5nH

**SHAPE**

E = FLAT TOP



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

## 0805CS Series (2.7 ~ 4700nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
0805CS-2N7E_TS	2.7 @ 250MHz	10,5	80 @ 1500MHz	7900	0.06	800
0805CS-2N8E_TS	2.8 @ 250MHz	10,5	80 @ 1500MHz	7900	0.06	800
0805CS-3N0E_TS	3.0 @ 250MHz	10,5	65 @ 1500MHz	7900	0.06	800
0805CS-3N3E_TS	3.3 @ 250MHz	10,5	50 @ 1500MHz	6000	0.08	600
0805CS-5N6E_TS	5.6 @ 250MHz	10,5	65 @ 1000MHz	5500	0.08	600
0805CS-6N2E_TS	6.2 @ 250MHz	10,5	50 @ 1000MHz	5500	0.11	600
0805CS-6N8E_TS	6.8 @ 250MHz	10,5	50 @ 1000MHz	5500	0.11	600
0805CS-7N5E_TS	7.5 @ 250MHz	10,5	50 @ 1000MHz	4500	0.14	600
0805CS-8N2E_TS	8.2 @ 250MHz	10,5	50 @ 1000MHz	4700	0.12	600
0805CS-8N7E_TS	8.7 @ 250MHz	10,5	50 @ 1000MHz	4000	0.21	400
0805CS-100E_TS	10.0 @ 250MHz	10,5,2	60 @ 500MHz	4200	0.10	600
0805CS-120E_TS	12.0 @ 250MHz	10,5,2	50 @ 500MHz	4000	0.15	600
0805CS-150E_TS	15.0 @ 250MHz	10,5,2	50 @ 500MHz	3400	0.17	600
0805CS-180E_TS	18.0 @ 250MHz	10,5,2	50 @ 500MHz	3300	0.20	600
0805CS-220E_TS	22.0 @ 250MHz	10,5,2	55 @ 500MHz	2600	0.22	500
0805CS-240E_TS	24.0 @ 250MHz	10,5,2	50 @ 500MHz	2000	0.22	500
0805CS-270E_TS	27.0 @ 250MHz	10,5,2	55 @ 500MHz	2500	0.25	500
0805CS-330E_TS	33.0 @ 250MHz	10,5,2	60 @ 500MHz	2050	0.27	500
0805CS-360E_TS	36.0 @ 250MHz	10,5,2	55 @ 500MHz	1700	0.27	500
0805CS-390E_TS	39.0 @ 250MHz	10,5,2	60 @ 500MHz	2000	0.29	500
0805CS-430E_TS	43.0 @ 200MHz	10,5,2	60 @ 500MHz	1650	0.34	500
0805CS-470E_TS	47.0 @ 200MHz	10,5,2	60 @ 500MHz	1650	0.31	500
0805CS-560E_TS	56.0 @ 200MHz	10,5,2	60 @ 500MHz	1550	0.34	500
0805CS-680E_TS	68.0 @ 200MHz	10,5,2	60 @ 500MHz	1450	0.38	500
0805CS-720E_TS	72.0 @ 150MHz	10,5,2	65 @ 500MHz	1400	0.40	500
0805CS-820E_TS	82.0 @ 150MHz	10,5,2	65 @ 500MHz	1300	0.42	400
0805CS-910E_TS	91.0 @ 150MHz	10,5,2	65 @ 500MHz	1200	0.48	400
0805CS-101E_TS	100.0 @ 150MHz	10,5,2	65 @ 500MHz	1200	0.46	400
0805CS-111E_TS	110.0 @ 150MHz	10,5,2	50 @ 250MHz	1000	0.48	400
0805CS-121E_TS	120.0 @ 150MHz	10,5,2	50 @ 250MHz	1100	0.51	400
0805CS-151E_TS	150.0 @ 100MHz	10,5,2	50 @ 250MHz	920	0.56	400
0805CS-181E_TS	180.0 @ 100MHz	10,5,2	50 @ 250MHz	870	0.64	400
0805CS-201E_TS	200.0 @ 100MHz	10,5,2	50 @ 250MHz	860	0.66	400
0805CS-221E_TS	220.0 @ 100MHz	10,5,2	50 @ 250MHz	850	0.70	400
0805CS-241E_TS	240.0 @ 100MHz	10,5,2	44 @ 250MHz	690	1.00	350
0805CS-251E_TS	250.0 @ 100MHz	10,5,2	45 @ 250MHz	680	1.00	350
0805CS-271E_TS	270.0 @ 100MHz	10,5,2	50 @ 250MHz	650	1.00	350
0805CS-301E_TS	300.0 @ 100MHz	10,5,2	48 @ 250MHz	620	1.20	330
0805CS-331E_TS	330.0 @ 100MHz	10,5,2	48 @ 250MHz	600	1.40	310
0805CS-361E_TS	360.0 @ 100MHz	10,5,2	48 @ 250MHz	580	1.45	300
0805CS-391E_TS	390.0 @ 100MHz	10,5,2	48 @ 250MHz	560	1.50	290
0805CS-431E_TS	430.0 @ 50MHz	10,5,2	33 @ 100MHz	430	1.70	230
0805CS-471E_TS	470.0 @ 50MHz	10,5,2	33 @ 100MHz	375	1.70	250
0805CS-561E_TS	560.0 @ 25MHz	10,5,2	23 @ 50MHz	235	1.90	230
0805CS-601E_TS	600.0 @ 25MHz	10,5,2	23 @ 50MHz	260	1.60	450
0805CS-621E_TS	620.0 @ 25MHz	10,5,2	23 @ 50MHz	220	2.20	210
0805CS-681E_TS	680.0 @ 25MHz	10,5,2	23 @ 50MHz	200	2.20	190
0805CS-751E_TS	750.0 @ 25MHz	10,5,2	23 @ 50MHz	200	2.30	180
0805CS-821E_TS	820.0 @ 25MHz	10,5,2	23 @ 50MHz	200	2.35	180
0805CS-911E_TS	910.0 @ 25MHz	10,5,2	18 @ 50MHz	120	1.90	170
0805CS-102E_TS	1000.0 @ 25MHz	10,5,2	20 @ 50MHz	100	2.50	170
0805CS-122E_TS	1200.0 @ 7.9MHz	10,5,2	18 @ 25MHz	100	2.50	170
0805CS-152E_TS	1500.0 @ 7.9MHz	10,5,2	16 @ 25MHz	100	2.50	170
0805CS-182E_TS	1800.0 @ 7.9MHz	10,5,2	16 @ 7.9MHz	80	2.50	170

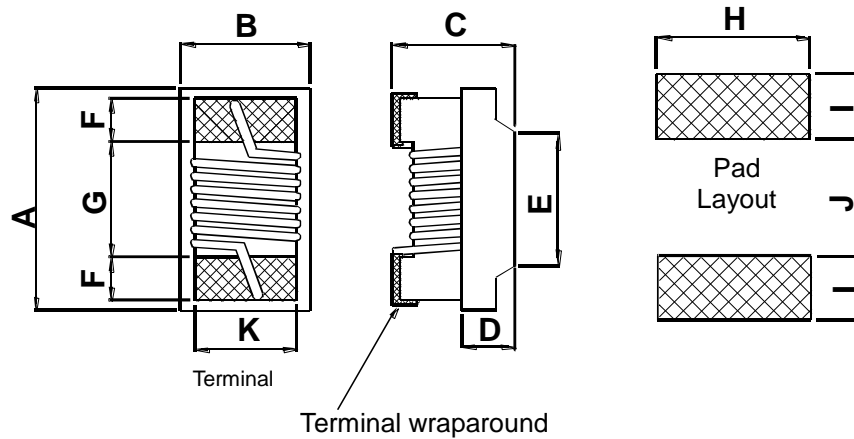
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## 0805CS Series (2.7 ~ 4700nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
0805CS-222E_TS	2200.0 @ 7.9MHz	10,5,2	16 @ 7.9MHz	60	2.70	160
0805CS-272E_TS	2700.0 @ 7.9MHz	10,5,2	16 @ 7.9MHz	50	3.10	150
0805CS-332E_TS	3300.0 @ 7.9MHz	10,5,2	15 @ 7.9MHz	40	4.40	90
0805CS-472E_TS	4700.0 @ 7.9MHz	10,5,2	15 @ 7.9MHz	40	6.40	90

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

### Shape & Dimension



	A		B		C		D Ref.	E Ref.	F	G	H	I	J	K
	Max.	Ref.	Max.	Ref.	Max.	Ref.								
inch	0.09	0.083	0.071	0.065	0.061	0.055	0.02	0.050	0.018	0.040	0.070	0.040	0.030	0.050
mm	2.29	2.10	1.80	1.65	1.55	1.40	0.51	1.27	0.44	1.02	1.78	1.02	0.76	1.27

Parts/Reel: 7" 2,000 PCS

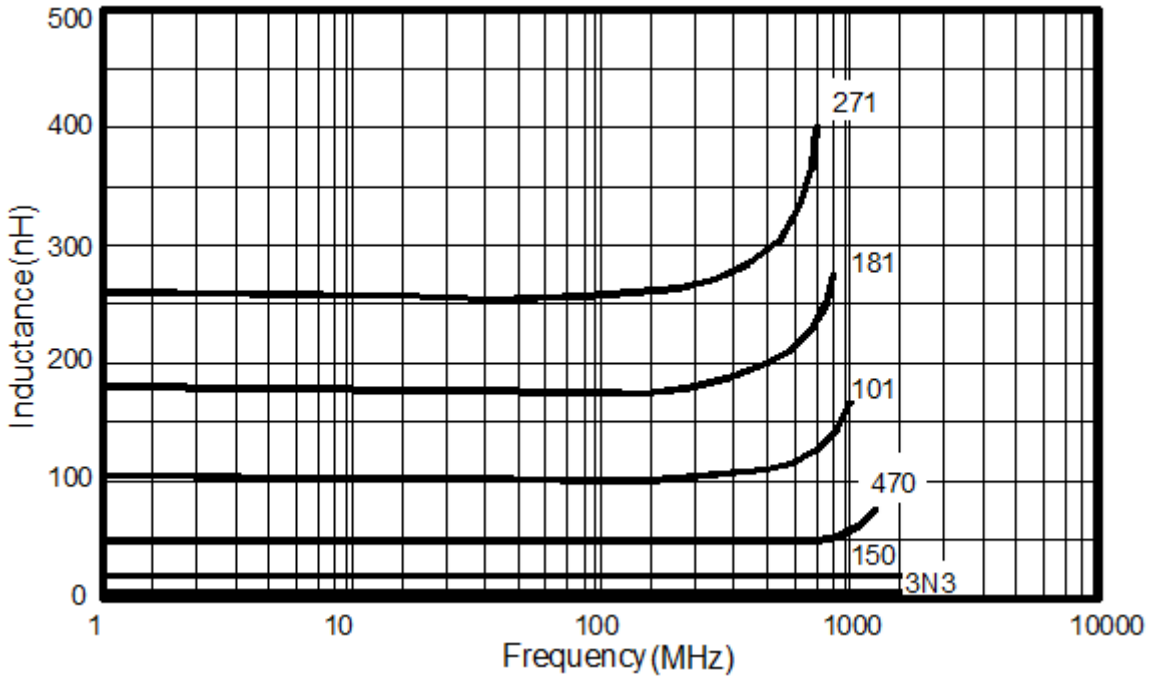
Tape Width: 8mm



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

## 0805CS Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY

