



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

0805CS Series Part Numbering

Part Numbering (Example)

(Ex.) 0805 C S - 101 E J I 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	60 @ 500MHz	4200	0.10	600
0805CS-120E_TS	12.0 @ 250MHz	10,5	50 @ 500MHz	4000	0.15	600
0805CS-150E_TS	15.0 @ 250MHz	10,5	50 @ 500MHz	3400	0.17	600
0805CS-180E_TS	18.0 @ 250MHz	10,5	50 @ 500MHz	3300	0.20	600
0805CS-220E_TS	22.0 @ 250MHz	10,5	55 @ 500MHz	2600	0.22	500
0805CS-240E_TS	24.0 @ 250MHz	10,5	50 @ 500MHz	2000	0.22	500
0805CS-270E_TS	27.0 @ 250MHz	10,5	55 @ 500MHz	2500	0.25	500
0805CS-330E_TS	33.0 @ 250MHz	10,5	60 @ 500MHz	2050	0.27	500
0805CS-360E_TS	36.0 @ 250MHz	10,5	55 @ 500MHz	1700	0.27	500
0805CS-390E_TS	39.0 @ 250MHz	10,5	60 @ 500MHz	2000	0.29	500
0805CS-430E_TS	43.0 @ 200MHz	10,5	60 @ 500MHz	1650	0.34	500
0805CS-470E_TS	47.0 @ 200MHz	10,5	60 @ 500MHz	1650	0.31	500
0805CS-560E_TS	56.0 @ 200MHz	10,5	60 @ 500MHz	1550	0.34	500
0805CS-680E_TS	68.0 @ 200MHz	10,5	60 @ 500MHz	1450	0.38	500
0805CS-720E_TS	72.0 @ 150MHz	10,5	65 @ 500MHz	1400	0.40	500
0805CS-820E_TS	82.0 @ 150MHz	10,5	65 @ 500MHz	1300	0.42	400
0805CS-910E_TS	91.0 @ 150MHz	10,5	65 @ 500MHz	1200	0.48	400
0805CS-101E_TS	100.0 @ 150MHz	10,5	65 @ 500MHz	1200	0.46	400
0805CS-111E_TS	110.0 @ 150MHz	10,5	50 @ 250MHz	1000	0.48	400
0805CS-121E_TS	120.0 @ 150MHz	10,5	50 @ 250MHz	1100	0.51	400
0805CS-151E_TS	150.0 @ 100MHz	10,5	50 @ 250MHz	920	0.56	400
0805CS-181E_TS	180.0 @ 100MHz	10,5	50 @ 250MHz	870	0.64	400
0805CS-201E_TS	200.0 @ 100MHz	10,5	50 @ 250MHz	860	0.66	400
0805CS-221E_TS	220.0 @ 100MHz	10,5	50 @ 250MHz	850	0.70	400
0805CS-241E_TS	240.0 @ 100MHz	10,5	44 @ 250MHz	690	1.00	350
0805CS-251E_TS	250.0 @ 100MHz	10,5	45 @ 250MHz	680	1.00	350
0805CS-271E_TS	270.0 @ 100MHz	10,5	50 @ 250MHz	650	1.00	350
0805CS-301E_TS	300.0 @ 100MHz	10,5	48 @ 250MHz	620	1.20	330
0805CS-331E_TS	330.0 @ 100MHz	10,5	48 @ 250MHz	600	1.40	310
0805CS-361E_TS	360.0 @ 100MHz	10,5	48 @ 250MHz	580	1.45	300
0805CS-391E_TS	390.0 @ 100MHz	10,5	48 @ 250MHz	560	1.50	290
0805CS-431E_TS	430.0 @ 50MHz	10,5	33 @ 100MHz	430	1.70	230
0805CS-471E_TS	470.0 @ 50MHz	10,5	33 @ 100MHz	375	1.70	250
0805CS-561E_TS	560.0 @ 25MHz	10,5	23 @ 50MHz	235	1.90	230
0805CS-601E_TS	600.0 @ 25MHz	10,5	23 @ 50MHz	260	1.60	450
0805CS-621E_TS	620.0 @ 25MHz	10,5	23 @ 50MHz	220	2.20	210
0805CS-681E_TS	680.0 @ 25MHz	10,5	23 @ 50MHz	200	2.20	190
0805CS-751E_TS	750.0 @ 25MHz	10,5	23 @ 50MHz	200	2.30	180
0805CS-821E_TS	820.0 @ 25MHz	10,5	23 @ 50MHz	200	2.35	180
0805CS-911E_TS	910.0 @ 25MHz	10,5	18 @ 50MHz	120	1.90	170
0805CS-102E_TS	1000.0 @ 25MHz	10,5	20 @ 50MHz	100	2.50	170
0805CS-122E_TS	1200.0 @ 7.9MHz	10,5	18 @ 25MHz	100	2.50	170
0805CS-152E_TS	1500.0 @ 7.9MHz	10,5	16 @ 25MHz	100	2.50	170
0805CS-182E_TS	1800.0 @ 7.9MHz	10,5	16 @ 7.9MHz	80	2.50	170



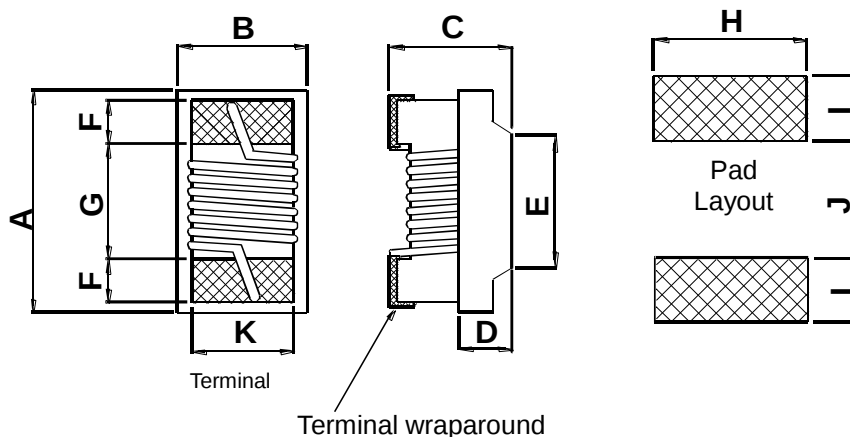
WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0805 (2012)

0805CS Series (2.7 ~ 4700nH)

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

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

Shape & Dimension

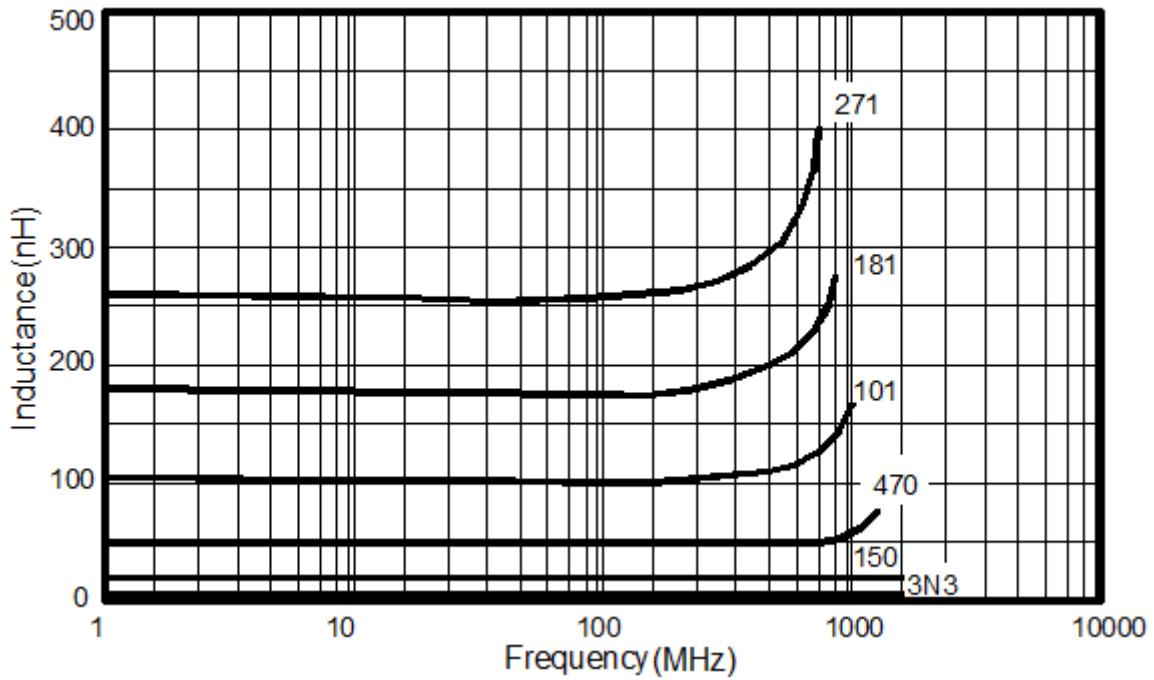


	A		B		C		D Ref.	E Ref.	F	G	H	I	J	K
	Max.	Ref.	Max.	Ref.	Max.	Ref.								
inch	0.09	0.083	0.071	0.065	0.061	0.055	0.02	0.050	0.018	0.040	0.070	0.040	0.030	0.050
mm	2.29	2.10	1.80	1.65	1.55	1.40	0.51	1.27	0.44	1.02	1.78	1.02	0.76	1.27

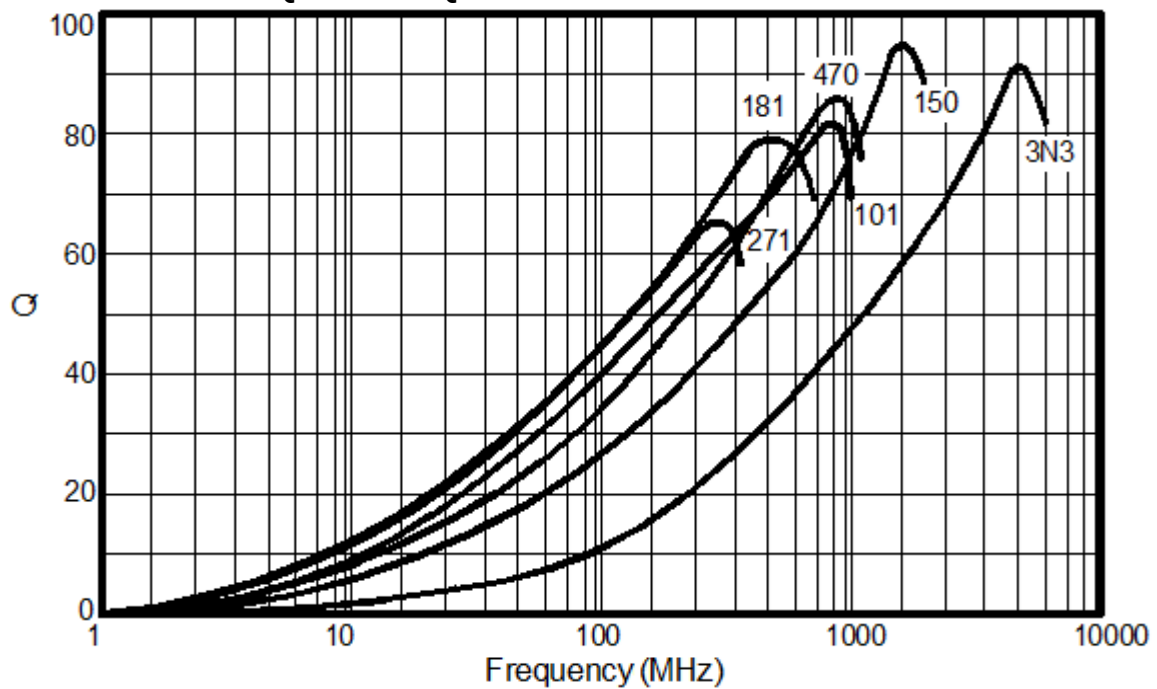
Parts/Reel: 7" 2,000 PCS

Tape Width: 8mm

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY



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0805CS-331EJTS	0805CS-100EGTS	0805CS-100EJTS	0805CS-100EKTS	0805CS-101EGTS	0805CS-101EJTS
0805CS-101EKTS	0805CS-102EGTS	0805CS-102EJTS	0805CS-102EKTS	0805CS-111EGTS	0805CS-111EJTS
0805CS-111EKTS	0805CS-120EGTS	0805CS-120EJTS	0805CS-120EKTS	0805CS-121EGTS	0805CS-121EJTS
0805CS-121EKTS	0805CS-122EGTS	0805CS-122EJTS	0805CS-122EKTS	0805CS-150EGTS	0805CS-150EJTS
0805CS-150EKTS	0805CS-151EGTS	0805CS-151EJTS	0805CS-151EKTS	0805CS-152EGTS	0805CS-152EJTS
0805CS-152EKTS	0805CS-180EGTS	0805CS-180EJTS	0805CS-180EKTS	0805CS-181EGTS	0805CS-181EJTS
0805CS-181EKTS	0805CS-182EGTS	0805CS-182EJTS	0805CS-182EKTS	0805CS-201EGTS	0805CS-201EJTS
0805CS-201EKTS	0805CS-220EGTS	0805CS-220EJTS	0805CS-220EKTS	0805CS-221EGTS	0805CS-221EJTS
0805CS-221EKTS	0805CS-222EGTS	0805CS-222EJTS	0805CS-222EKTS	0805CS-240EGTS	0805CS-240EJTS
0805CS-240EKTS	0805CS-241EGTS	0805CS-241EJTS	0805CS-241EKTS	0805CS-251EGTS	0805CS-251EJTS
0805CS-251EKTS	0805CS-270EGTS	0805CS-270EJTS	0805CS-270EKTS	0805CS-271EGTS	0805CS-271EJTS
0805CS-271EKTS	0805CS-272EGTS	0805CS-272EJTS	0805CS-272EKTS	0805CS-2N7EJTS	0805CS-2N7EKTS
0805CS-2N8EJTS	0805CS-2N8EKTS	0805CS-301EGTS	0805CS-301EJTS	0805CS-301EKTS	0805CS-330EGTS
0805CS-330EJTS	0805CS-330EKTS	0805CS-331EGTS	0805CS-331EKTS	0805CS-332EGTS	0805CS-332EJTS
0805CS-332EKTS	0805CS-360EGTS	0805CS-360EJTS	0805CS-360EKTS	0805CS-361EGTS	0805CS-361EJTS
0805CS-361EKTS	0805CS-390EGTS	0805CS-390EJTS	0805CS-390EKTS	0805CS-391EGTS	0805CS-391EJTS
0805CS-391EKTS	0805CS-3N0EJTS	0805CS-3N0EKTS	0805CS-3N3EJTS		