WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0603 (1608)

0603CS Series Part Numbering

Part Numbering (Example)

(Ex.) **0603 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

SHAPE
E = FLAT TOP

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

TERMINAL TYPE/MATERIAL.
T = TERMINAL ,CERAMIC CORE (SUBSTRATE)
F = FERRITE CORE (SUBSTRATE)

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

WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0603 (1608)

0603CS Series (1.5 ~ 470nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA	900MHz		1.7GHz	
							L Typ	Q Typ	L Typ	Q Typ
0603CS-1N5E_TS	1.5 @ 250MHz	10,5	24	12500	0.030	700	-	-	-	-
0603CS-1N6E_TS	1.6 @ 250MHz	10,5	24	12500	0.030	700	1.53	35	1.58	55.0
0603CS-1N8E_TS	1.8 @ 250MHz	10,5	16	12500	0.045	700	1.63	35	1.66	50.0
0603CS-2N2E_TS	2.2 @ 250MHz	10,5	15	6000	0.100	700	2.18	41	2.20	64.0
0603CS-2N3E_TS	2.3 @ 250MHz	10,5	16	4000	0.140	700	2.32	32	2.35	40.0
0603CS-2N4E_TS	2.4 @ 250MHz	10,5	15	4000	0.140	700	-	-	-	-
0603CS-3N3E_TS	3.3 @ 250MHz	10,5	22	6000	0.080	700	3.35	47	3.40	65.0
0603CS-3N6E_TS	3.6 @ 250MHz	10,5	22	5800	0.063	700	3.53	49	3.58	65.0
0603CS-3N9E_TS	3.9 @ 250MHz	10,5	22	6000	0.080	700	3.95	49	3.96	67.0
0603CS-4N3E_TS	4.3 @ 250MHz	10.5	22	5800	0.063	700	4.32	49	4.43	67.0
0603CS-4N5E_TS	4.5 @ 250MHz	10.5	20	5800	0.120	700	4.74	55	4.87	92.0
0603CS-4N7E_TS	4.7 @ 250MHz	10,5	25	5800	0.120	700	4.65	53	4.80	67.0
0603CS-5N1E_TS	5.1 @ 250MHz	10,5	20	5800	0.160	700	5.13	47	5.36	56.0
0603CS-5N6E_TS	5.6 @ 250MHz	10,5	20	5800	0.170	700	5.53	56	5.86	77.0
0603CS-6N2E_TS	6.2 @ 250MHz	10,5	25	5800	0.110	700	6.28	60	6.40	85.0
0603CS-6N3E_TS	6.3 @ 250MHz	10,5	25	5800	0.110	700	6.67	41	6.86	61.0
0603CS-6N8E_TS	6.8 @ 250MHz	10,5	27	5800	0.110	700	6.75	60	7.10	81.0
0603CS-7N5E_TS	7.5 @ 250MHz	10,5	28	4800	0.106	700	7.70	60	7.82	65.0
0603CS-8N2E_TS	8.2 @ 250MHz	10,5	38	4800	0.110	700	8.25	64	8.40	81.0
0603CS-8N7E_TS	8.7 @ 250MHz	10,5	28	4800	0.109	700	8.86	62	9.32	58.0
0603CS-9N1E_TS	9.1 @ 250MHz	10,5	35	4800	0.130	700	9.20	70	9.70	80.0
0603CS-9N5E_TS	9.5 @ 250MHz	10,5	28	5400	0.135	700	9.70	59	9.92	61.0
0603CS-100E_TS	10.0 @ 250MHz	10,5	31	4800	0.130	700	10.00	66	10.60	83.0
0603CS-110E_TS	11.0 @ 250MHz	10,5	31	4000	0.086	700	11.30	53	12.10	56.0
0603CS-120E_TS	12.0 @ 250MHz	10.5	35	4000	0.130	700	12.30	72	13.50	83.0
0603CS-150E_TS	15.0 @ 250MHz	10.5	35	4000	0.170	700	15.40	64	16.80	89.0
0603CS-160E_TS	16.0 @ 250MHz	10,5	35	3300	0.110	700	16.50	55	18.00	52.0
0603CS-170E_TS	17.0 @ 250MHz	10,5	35	3200	0.170	700	17.60	56	19.40	44.0
0603CS-180E_TS	18.0 @ 250MHz	10,5	35	3100	0.170	700	18.70	70	21.40	69.0
0603CS-200E_TS	20.0 @ 250MHz	10,5	40	3000	0.190	700	20.70	80	23.50	30.0
0603CS-220E_TS	22.0 @ 250MHz	10,5	38	3000	0.190	700	22.80	73	26.10	71.0
0603CS-230E_TS	23.0 @ 250MHz	10,5	38	2850	0.190	700	24.10	71	28.00	71.0
0603CS-240E_TS	24.0 @ 250MHz	10,5	38	2800	0.130	700	25.70	45	30.90	40.0
0603CS-270E_TS	27.0 @ 250MHz	10,5	40	2800	0.220	600	29.20	74	34.60	65.0
0603CS-300E_TS	30.0 @ 250MHz	10,5	40	2800	0.150	600	31.40	47	39.80	28.0
0603CS-330E_TS	33.0 @ 250MHz	10,5	40	2300	0.220	600	36.00	67	49.50	42.0
0603CS-360E_TS	36.0 @ 250MHz	10,5	40	2300	0.250	600	39.10	47	48.90	24.0
0603CS-390E_TS	39.0 @ 250MHz	10,5	40	2200	0.250	600	42.70	60	60.20	40.0
0603CS-430E_TS	43.0 @ 200MHz	10,5	38	2000	0.280	600	46.90	44	60.30	21.0
0603CS-470E_TS	47.0 @ 200MHz	10,5	38	2000	0.280	600	52.20	62	77.20	35.0
0603CS-510E_TS	51.0 @ 200MHz	10,5	38	1900	0.280	600	55.50	69	82.20	34.0
0603CS-560E_TS	56.0 @ 200MHz	10,5	38	1900	0.310	600	62.50	56	97.00	26.0
0603CS-620E_TS	62.0 @ 200MHz	10,5	37	1800	0.340	600	68.00	40	110.00	10.0
0603CS-680E_TS	68.0 @ 200MHz	10,5	37	1700	0.340	600	80.50	54	168.00	21.0
0603CS-720E_TS	72.0 @ 150MHz	10,5	34	1700	0.490	600	82.00	53	135.00	20.0
0603CS-750E_TS	75.0 @ 150MHz	10,5	30	1700	0.500	500	-	-	-	-
0603CS-820E_TS	82.0 @ 150MHz	10,5	34	1700	0.540	400	96.20	54	177.00	21.0
0603CS-910E_TS	91.0 @ 150MHz	10,5	30	1700	0.500	400	110.00	50	416.40	6.0
0603CS-101E_TS	100.0 @ 150MHz	10,5	34	1400	0.580	400	124.00	49	319.50	13.0
0603CS-111E_TS	110.0 @ 150MHz	10,5	32	1350	0.610	300	138.00	43	342.70	15.0
0603CS-121E_TS	120.0 @ 150MHz	10,5	32	1300	0.650	300	166.00	39	529.30	8.0
0603CS-131E_TS	130.0 @ 150MHz	10,5	30	1400	0.720	300	185.00	60	-	-
0603CS-141E_TS	140.0 @ 100MHz	10,5	28	1300	0.870	280	190.00	80	-	-
0603CS-151E_TS	150.0 @ 100MHz	10,5	28	1300	0.950	280	230.00	25	-	-
0603CS-161E_TS	160.0 @ 100MHz	10,5	25	1300	1.400	280	215.00	20	-	-

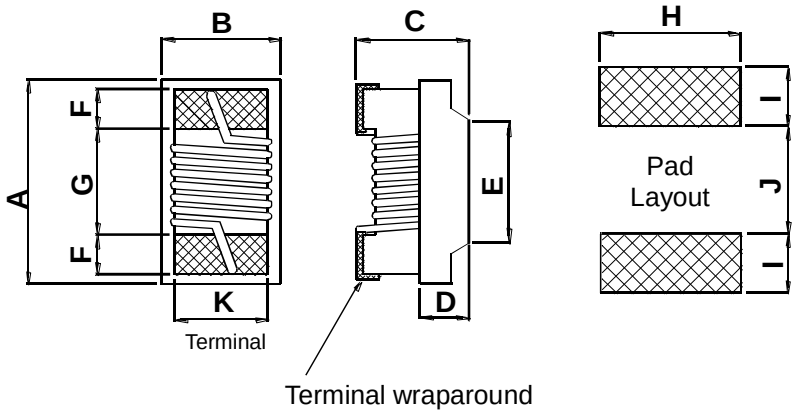
WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0603 (1608)

0603CS Series (1.5 ~ 470nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA	900MHz L Typ	900MHz Q Typ	1.7GHz L Typ	1.7GHz Q Typ
0603CS-181E_TS	180.0 @ 100MHz	10,5	25	1250	1.400	250	305.00	22	-	-
0603CS-221E_TS	220.0 @ 100MHz	10,5	25	1200	1.600	250	377.00	21	-	-
0603CS-241E_TS	240.0 @ 100MHz	10,5	25	1100	1.700	200	-	-	-	-
0603CS-261E_TS	260.0 @ 100MHz	10,5	25	1000	2.000	200	469.00	21	-	-
0603CS-271E_TS	270.0 @ 100MHz	10,5	25	900	2.100	200	523.00	19	-	-
0603CS-281E_TS	280.0 @ 100MHz	10,5	25	1000	2.400	150	524.00	18	-	-
0603CS-301E_TS	300.0 @ 100MHz	10,5	25	750	2.500	150	539.70	21	-	-
0603CS-331E_TS	330.0 @ 100MHz	10,5	25	900	3.800	100	680.40	20	-	-
0603CS-391E_TS	390.0 @ 100MHz	10,5	25	900	4.350	100	734.50	29	-	-
0603CS-471E_TS	470.0 @ 100MHz	10,5	23	600	3.600	80	-	-	-	-

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

Shape & Dimension

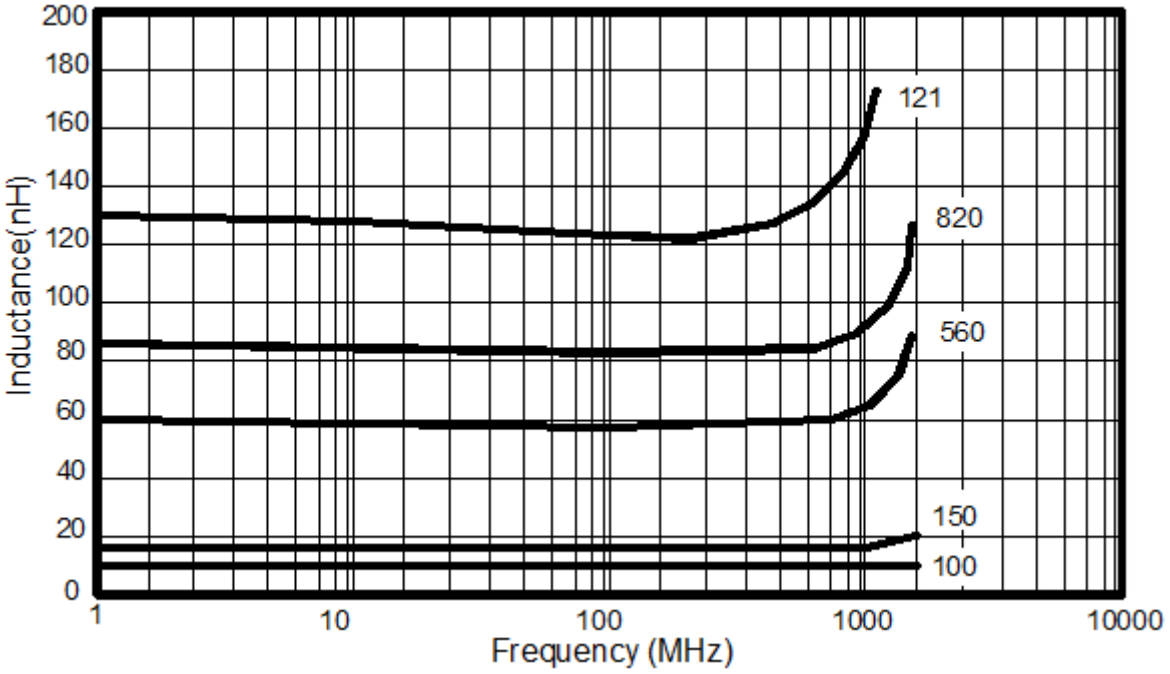


	A		B		C		D Ref.	E Ref.	F	G	H	I	J	K
	Max.	Ref	Max.	Ref	Max.	Ref								
inch	0.071	0.065	0.045	0.041	0.040	0.035	0.015	0.039	0.013	0.034	0.040	0.025	0.025	0.030
mm	1.80	1.65	1.16	1.03	1.02	0.90	0.38	1.00	0.33	0.86	1.02	0.64	0.64	0.76

Parts/Reel: 7” 4,000 PCS
Tape Width: 8mm

0603CS Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY