



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

0603HP Series Part Numbering

Part Numbering (Example)

(Ex.) 0603 H P - 4N3 E G 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
P: POWER
M:OPTIMUM DIMENSION

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 / 0603 (1608)

0603HP Series (1.8 ~ 390nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min GHz	RDC Max Ohms	IDC Max mA
0603HP-1N8E_TS	1.8 @ 250MHz	10,5,C,D	23 @ 250MHz	16.00	0.033	2100
0603HP-2N2E_TS	2.2 @ 250MHz	10,5,C,D	13 @ 250MHz	15.00	0.180	900
0603HP-3N3E_TS	3.3 @ 250MHz	10,5,3,C,D	32 @ 250MHz	9.60	0.024	1900
0603HP-3N6E_TS	3.6 @ 250MHz	10,5,3,C,D	40 @ 250MHz	9.70	0.031	1900
0603HP-3N9E_TS	3.9 @ 250MHz	10,5,3,C,D	35 @ 250MHz	7.50	0.039	1600
0603HP-4N3E_TS	4.3 @ 250MHz	10,5,3,C,D	30 @ 250MHz	7.50	0.080	1300
0603HP-4N7E_TS	4.7 @ 250MHz	10,5,3,C,D	26 @ 250MHz	7.90	0.100	1100
0603HP-5N6E_TS	5.6 @ 250MHz	10,5,3,2	48 @ 250MHz	6.60	0.036	1700
0603HP-6N2E_TS	6.2 @ 250MHz	10,5,3,2	49 @ 250MHz	6.00	0.036	1700
0603HP-6N8E_TS	6.8 @ 250MHz	10,5,3,2	42 @ 250MHz	5.80	0.042	1400
0603HP-7N2E_TS	7.2 @ 250MHz	10,5,3,2	48 @ 250MHz	5.40	0.052	1400
0603HP-7N5E_TS	7.5 @ 250MHz	10,5,3,2	41 @ 250MHz	5.30	0.080	1300
0603HP-8N2E_TS	8.2 @ 250MHz	10,5,3,2	46 @ 250MHz	5.90	0.054	1400
0603HP-8N7E_TS	8.7 @ 250MHz	10,5,3,2	46 @ 250MHz	5.50	0.054	1400
0603HP-9N1E_TS	9.1 @ 250MHz	10,5,3,2	40 @ 250MHz	5.10	0.054	1400
0603HP-9N5E_TS	9.5 @ 250MHz	10,5,3,2	49 @ 250MHz	4.90	0.054	1400
0603HP-100E_TS	10.0 @ 250MHz	10,5,3,2	49 @ 250MHz	4.30	0.054	1400
0603HP-110E_TS	11.0 @ 250MHz	10,5,3,2	41 @ 250MHz	4.10	0.054	1400
0603HP-120E_TS	12.0 @ 250MHz	10,5,3,2	37 @ 250MHz	4.10	0.110	1000
0603HP-150E_TS	15.0 @ 250MHz	10,5,3,2	48 @ 250MHz	3.60	0.078	1200
0603HP-160E_TS	16.0 @ 250MHz	10,5,3,2	45 @ 250MHz	3.50	0.085	1100
0603HP-180E_TS	18.0 @ 250MHz	10,5,3,2	41 @ 250MHz	3.30	0.078	1200
0603HP-220E_TS	22.0 @ 250MHz	10,5,3,2	44 @ 250MHz	3.15	0.140	850
0603HP-230E_TS	23.0 @ 250MHz	10,5,3,2	40 @ 250MHz	3.00	0.180	850
0603HP-240E_TS	24.0 @ 250MHz	10,5,3,2	42 @ 250MHz	2.95	0.085	1100
0603HP-270E_TS	27.0 @ 250MHz	10,5,3,2	44 @ 250MHz	2.80	0.150	780
0603HP-300E_TS	30.0 @ 250MHz	10,5,3,2	49 @ 250MHz	2.80	0.130	920
0603HP-330E_TS	33.0 @ 250MHz	10,5,3,2	45 @ 250MHz	2.70	0.190	680
0603HP-360E_TS	36.0 @ 250MHz	10,5,3,2	44 @ 250MHz	2.50	0.225	720
0603HP-390E_TS	39.0 @ 250MHz	10,5,3,2	48 @ 250MHz	2.45	0.190	680
0603HP-430E_TS	43.0 @ 250MHz	10,5,3,2	45 @ 250MHz	2.45	0.170	810
0603HP-470E_TS	47.0 @ 200MHz	10,5,3,2	47 @ 250MHz	2.30	0.240	680
0603HP-510E_TS	51.0 @ 200MHz	10,5,3,2	49 @ 250MHz	2.30	0.280	660
0603HP-560E_TS	56.0 @ 200MHz	10,5,3,2	50 @ 250MHz	2.20	0.300	610
0603HP-680E_TS	68.0 @ 200MHz	10,5,3,2	46 @ 250MHz	2.00	0.330	600
0603HP-720E_TS	72.0 @ 150MHz	10,5,3,2	46 @ 250MHz	1.90	0.420	550
0603HP-750E_TS	75.0 @ 150MHz	10,5,3,2	46 @ 250MHz	1.90	0.520	500
0603HP-820E_TS	82.0 @ 150MHz	10,5,3,2	45 @ 250MHz	1.80	0.460	510
0603HP-910E_TS	91.0 @ 150MHz	10,5,3,2	45 @ 250MHz	1.65	0.580	440
0603HP-101E_TS	100.0 @ 150MHz	10,5,3,2	49 @ 250MHz	1.70	0.540	470
0603HP-111E_TS	110.0 @ 150MHz	10,5,3,2	47 @ 250MHz	1.60	0.580	440
0603HP-121E_TS	120.0 @ 150MHz	10,5,3,2	47 @ 250MHz	1.55	0.720	420
0603HP-151E_TS	150.0 @ 150MHz	10,5,3,2	47 @ 250MHz	1.35	1.100	390
0603HP-181E_TS	180.0 @ 100MHz	10,5,3,2	48 @ 250MHz	1.30	1.500	310
0603HP-201E_TS	200.0 @ 100MHz	10,5,3,2	47 @ 250MHz	1.25	2.000	280
0603HP-211E_TS	210.0 @ 100MHz	10,5,3,2	48 @ 250MHz	1.20	2.000	280
0603HP-221E_TS	220.0 @ 100MHz	10,5,3,2	47 @ 250MHz	1.10	2.000	280
0603HP-251E_TS	250.0 @ 100MHz	10,5,3,2	45 @ 250MHz	1.05	3.000	240
0603HP-271E_TS	270.0 @ 100MHz	10,5,3,2	46 @ 250MHz	1.05	2.250	260
0603HP-301E_TS	300.0 @ 100MHz	10,5,3,2	47 @ 250MHz	0.99	2.800	220



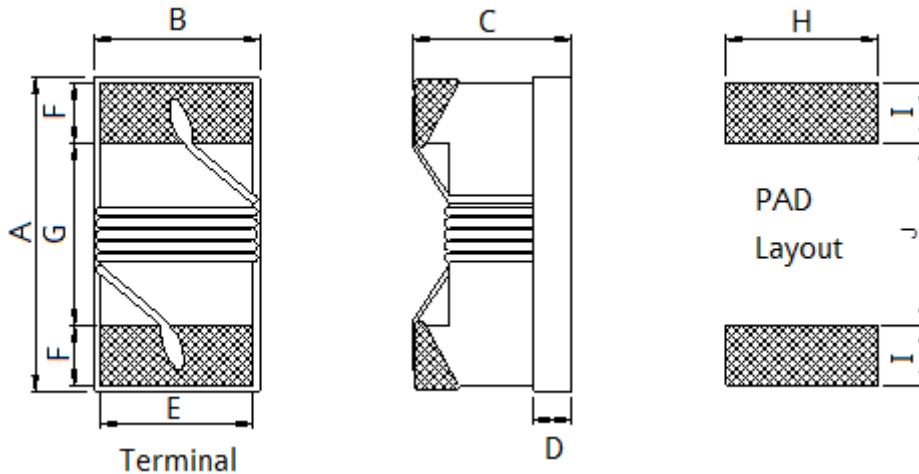
WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0603 (1608)

0603HP Series (1.8 ~ 390nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min GHz	RDC Max Ohms	IDC Max mA
0603HP-331E_TS	330.0 @ 100MHz	10,5,3,2	46 @ 250MHz	0.93	3.600	180
0603HP-361E_TS	360.0 @ 100MHz	10,5,3,2	47 @ 250MHz	0.93	4.000	170
0603HP-391E_TS	390.0 @ 100MHz	10,5,3,2	47 @ 250MHz	0.88	4.000	170

Working Temperature Range : -55 °C ~ +125 °C

2.2 Shape & Dimension



	A		B		C		D Ref.	E	F	G	H	I	J
	Min	Max.	Min	Max.	Min	Max.							
Inch	0.055	0.070	0.031	0.045	0.024	0.039	0.014	0.030	0.011	0.04	0.040	0.027	0.028
mm	1.40	1.80	0.80	1.15	0.60	1.00	0.35	0.77	0.30	1.02	1.02	0.69	0.72

Parts/Reel: 7" 4,000PCS

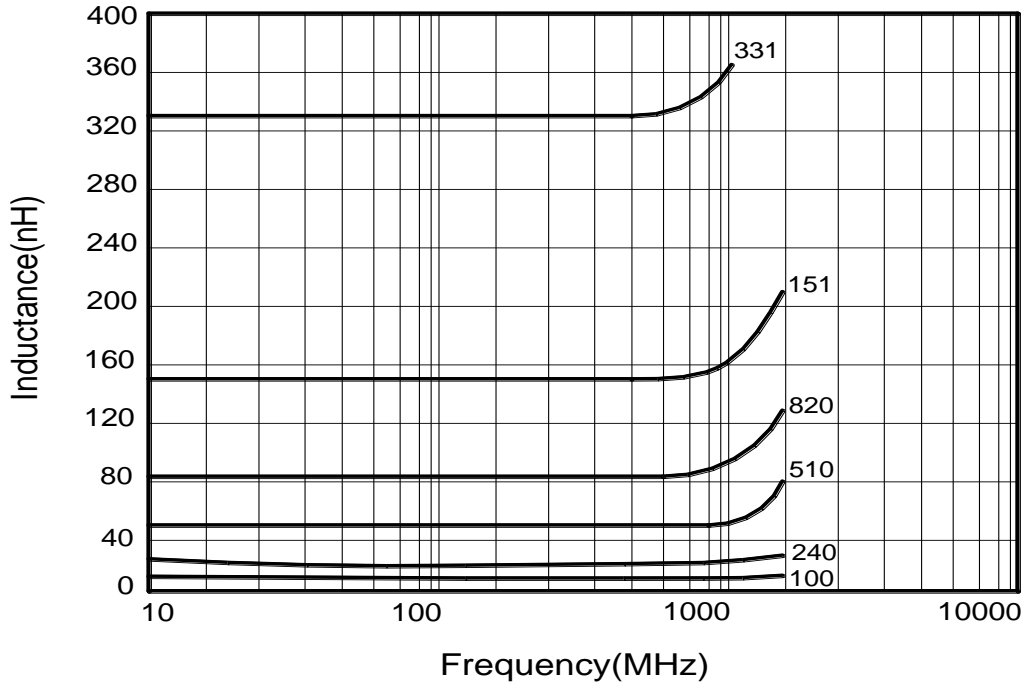
Tape Width: 8mm



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

0603HP Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY

