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

0603HM Series Part Numbering

Part Numbering (Example)

(Ex.) **0603 H M - 100 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
P: POWER
M:OPTIMUM DIMENSION

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.
AE=AEC-Q200

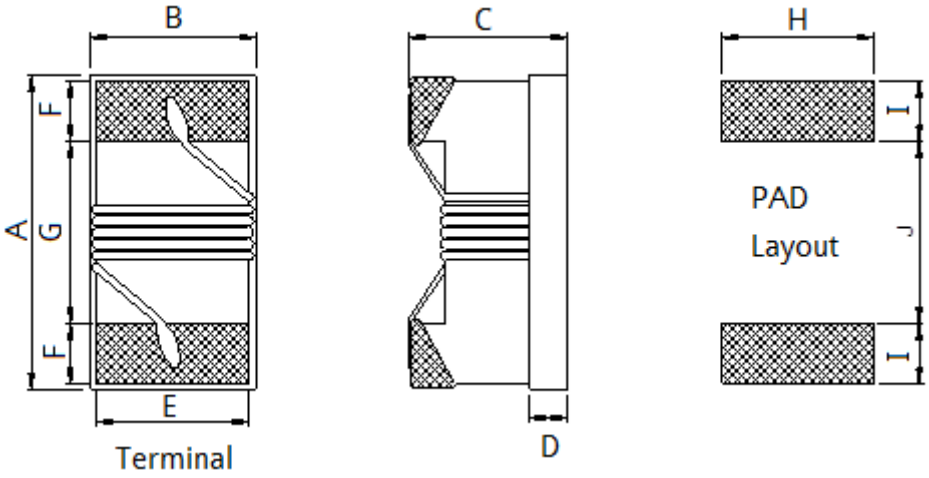
WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0603 (1608)

0603HM Series (2.2 ~ 470nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
0603HM-2N2E_TS	2.2 @ 100MHz	D	16 @ 250MHz	6000	0.049	700
0603HM-3N6E_TS	3.6 @ 100MHz	C,D	25 @ 250MHz	6000	0.059	850
0603HM-3N9E_TS	3.9 @ 100MHz	C,D	35 @ 250MHz	6000	0.059	850
0603HM-4N3E_TS	4.3 @ 100MHz	C,D	35 @ 250MHz	6000	0.059	850
0603HM-4N7E_TS	4.7 @ 100MHz	C,D	35 @ 250MHz	6000	0.059	850
0603HM-5N6E_TS	5.6 @ 100MHz	C,D	35 @ 250MHz	6000	0.082	750
0603HM-6N2E_TS	6.2 @ 100MHz	C,D	35 @ 250MHz	6000	0.082	750
0603HM-6N8E_TS	6.8 @ 100MHz	C,D	35 @ 250MHz	6000	0.082	750
0603HM-7N5E_TS	7.5 @ 100MHz	C,D	35 @ 250MHz	6000	0.082	750
0603HM-8N2E_TS	8.2 @ 100MHz	C,D	35 @ 250MHz	6000	0.110	650
0603HM-8N7E_TS	8.7 @ 100MHz	C,D	35 @ 250MHz	6000	0.110	650
0603HM-9N1E_TS	9.1 @ 100MHz	C,D	35 @ 250MHz	6000	0.110	650
0603HM-9N5E_TS	9.5 @ 100MHz	C,D	35 @ 250MHz	6000	0.110	650
0603HM-100E_TS	10.0 @ 100MHz	10,5,3,2	35 @ 250MHz	6000	0.110	650
0603HM-110E_TS	11.0 @ 100MHz	10,5,3,2	35 @ 250MHz	6000	0.110	650
0603HM-120E_TS	12.0 @ 100MHz	10,5,3,2	35 @ 250MHz	6000	0.130	600
0603HM-130E_TS	13.0 @ 100MHz	10,5,3,2	35 @ 250MHz	6000	0.130	600
0603HM-150E_TS	15.0 @ 100MHz	10,5,3,2	40 @ 250MHz	6000	0.130	600
0603HM-160E_TS	16.0 @ 100MHz	10,5,3,2	40 @ 250MHz	5500	0.160	550
0603HM-180E_TS	18.0 @ 100MHz	10,5,3,2	40 @ 250MHz	5500	0.160	550
0603HM-200E_TS	20.0 @ 100MHz	10,5,3,2	40 @ 250MHz	4900	0.160	550
0603HM-220E_TS	22.0 @ 100MHz	10,5,3,2	40 @ 250MHz	4600	0.170	500
0603HM-240E_TS	24.0 @ 100MHz	10,5,3,2	40 @ 250MHz	3800	0.210	500
0603HM-270E_TS	27.0 @ 100MHz	10,5,3,2	40 @ 250MHz	3700	0.210	440
0603HM-300E_TS	30.0 @ 100MHz	10,5,3,2	40 @ 250MHz	3300	0.230	420
0603HM-330E_TS	33.0 @ 100MHz	10,5,3,2	40 @ 250MHz	3200	0.230	420
0603HM-360E_TS	36.0 @ 100MHz	10,5,3,2	40 @ 250MHz	2900	0.260	400
0603HM-390E_TS	39.0 @ 100MHz	10,5,3,2	40 @ 250MHz	2800	0.260	400
0603HM-430E_TS	43.0 @ 100MHz	10,5,3,2	40 @ 200MHz	2700	0.290	380
0603HM-470E_TS	47.0 @ 100MHz	10,5,3,2	38 @ 200MHz	2600	0.290	380
0603HM-510E_TS	51.0 @ 100MHz	10,5,3,2	38 @ 200MHz	2500	0.330	370
0603HM-560E_TS	56.0 @ 100MHz	10,5,3,2	38 @ 200MHz	2400	0.350	360
0603HM-620E_TS	62.0 @ 100MHz	10,5,3,2	38 @ 200MHz	2300	0.510	280
0603HM-680E_TS	68.0 @ 100MHz	10,5,3,2	38 @ 200MHz	2200	0.380	340
0603HM-720E_TS	72.0 @ 100MHz	10,5,3,2	34 @ 150MHz	2100	0.560	270
0603HM-750E_TS	75.0 @ 100MHz	10,5,3,2	34 @ 150MHz	2050	0.560	270
0603HM-820E_TS	82.0 @ 100MHz	10,5,3,2	34 @ 150MHz	2000	0.600	250
0603HM-910E_TS	91.0 @ 100MHz	10,5,3,2	34 @ 150MHz	1900	0.640	230
0603HM-101E_TS	100.0 @ 100MHz	10,5,3,2	34 @ 150MHz	1800	0.680	220
0603HM-111E_TS	110.0 @ 100MHz	10,5,3,2	32 @ 150MHz	1700	1.200	200
0603HM-121E_TS	120.0 @ 100MHz	10,5,3,2	32 @ 150MHz	1600	1.300	180
0603HM-131E_TS	130.0 @ 100MHz	10,5,3,2	32 @ 150MHz	1450	1.400	170
0603HM-151E_TS	150.0 @ 100MHz	10,5,3,2	32 @ 150MHz	1400	1.500	160
0603HM-161E_TS	160.0 @ 100MHz	10,5,3,2	32 @ 150MHz	1350	2.100	150
0603HM-181E_TS	180.0 @ 100MHz	10,5,3,2	25 @ 100MHz	1300	2.200	140
0603HM-201E_TS	200.0 @ 100MHz	10,5,3,2	25 @ 100MHz	1250	2.400	120
0603HM-221E_TS	220.0 @ 100MHz	10,5,3,2	25 @ 100MHz	1200	2.500	120
0603HM-271E_TS	270.0 @ 100MHz	10,5,3,2	30 @ 100MHz	960	3.400	110
0603HM-331E_TS	330.0 @ 100MHz	10,5,3,2	30 @ 100MHz	800	5.500	85
0603HM-391E_TS	390.0 @ 100MHz	10,5,3,2	30 @ 100MHz	800	6.200	80
0603HM-471E_TS	470.0 @ 100MHz	10,5,3,2	30 @ 100MHz	700	7.000	75

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

Shape & Dimension

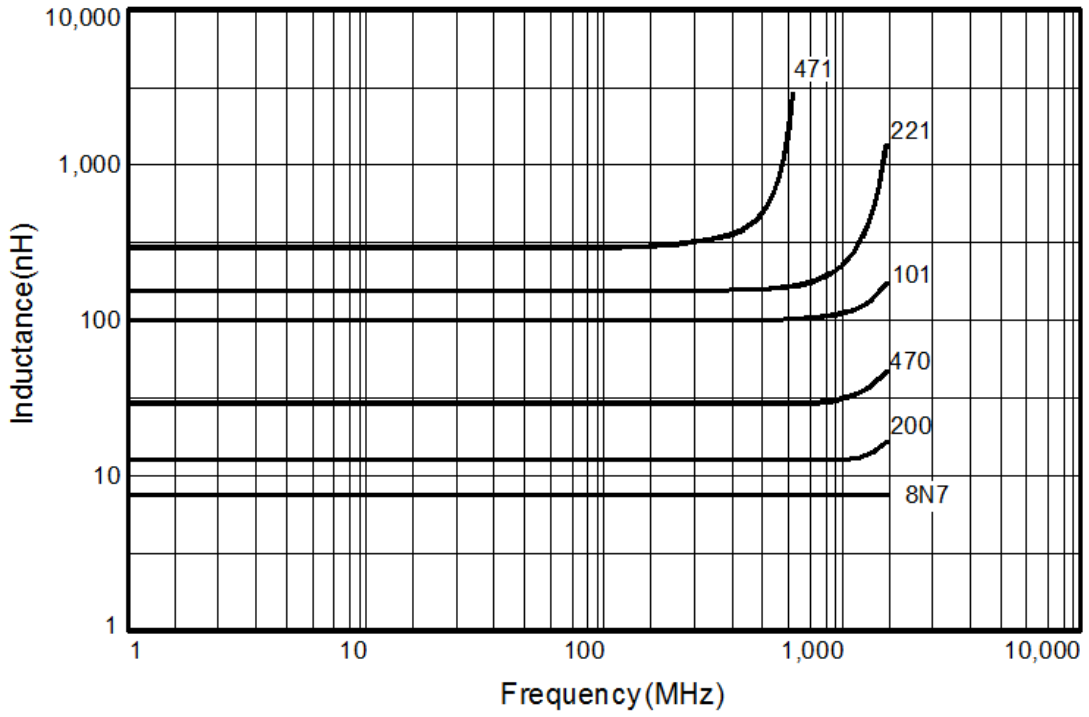


	A		B		C		D	E	F	G	H	I	J
	Min	Max.	Min	Max.	Min	Max.							
Inch	0.055	0.070	0.031	0.045	0.024	0.039	0.014	0.030	0.011	0.040	0.040	0.027	0.028
mm	1.40	1.80	0.80	1.15	0.60	1.00	0.35	0.77	0.30	1.02	1.02	0.69	0.70

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

0603HM Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY