

# 1. Part Description

## 1.1 Part Numbering (Example)

( Ex. )     0603     HM -     101     E     J     I     S

**SIZE**

0402 1.0 \* 0.5 mm  
0603 1.6 \* 0.8 mm

**PRODUCT ID**

**INDUCTANCE**

- FIRST 2 DIGITS ARE SIGNIFICANT  
- 3 DIGIT IS MULTIPLIER  
101=100n H , 8N2=8.2n H .

**PACK**

S=EIA RS481  
CLEAR TAPE & REEL

**TERMINAL TYPE/MATERIAL**

T = Terminal

**INDUCTANCE TOLERANCE**

G = ±2% , H = ±3% , J = ±5% , K = ±10%  
B = ±0.1n H , C = ±0.2n H , S = ±0.3n H  
D = ±0.5n H

**SHAPE**

E = FLAT TOP



## 2. Range of Application

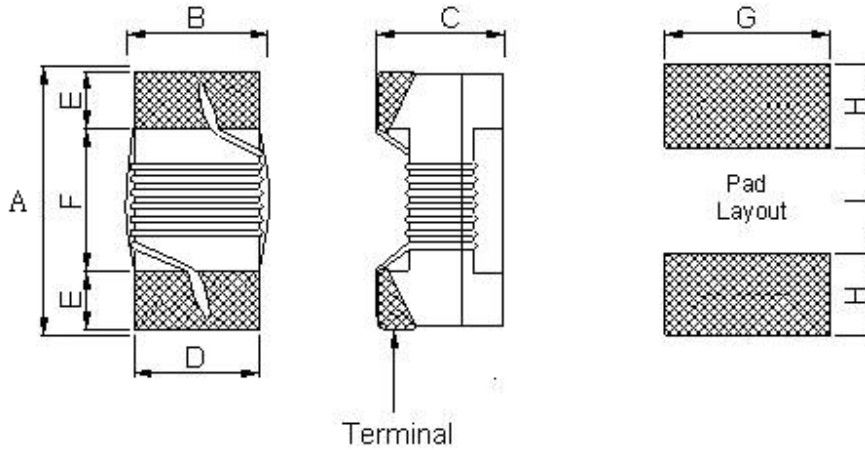
### 2.1 WIRE-WOUND CHIP INDUCTOR – CERAMIC / 0603 (1608) 0603HM Series (1.8 ~ 560nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
0603HM-2N2E_TS	2.2 @ 100MHz	D,J,K	16 @ 250MHz	6000	0.049	700
0603HM-3N6E_TS	3.6 @ 100MHz	C,D,H,J,K	25 @ 250MHz	6000	0.059	850
0603HM-3N9E_TS	3.9 @ 100MHz	C,D,H,J,K	35 @ 250MHz	6000	0.059	850
0603HM-4N3E_TS	4.3 @ 100MHz	C,D,H,J,K	35 @ 250MHz	6000	0.059	850
0603HM-4N7E_TS	4.7 @ 100MHz	C,D,H,J,K	35 @ 250MHz	6000	0.100	850
0603HM-5N1E_TS	5.1 @ 100MHz	G,H,J,K	35 @ 250MHz	6000	0.036	750
0603HM-5N6E_TS	5.6 @ 100MHz	C,D,G,H,J,K	35 @ 250MHz	6000	0.082	750
0603HM-6N2E_TS	6.2 @ 100MHz	C,D,G,H,J,K	35 @ 250MHz	6000	0.082	750
0603HM-6N8E_TS	6.8 @ 100MHz	C,D,G,H,J,K	35 @ 250MHz	6000	0.082	750
0603HM-7N2E_TS	7.2 @ 100MHz	C,D,G,H,J,K	35 @ 250MHz	6000	0.052	750
0603HM-7N5E_TS	7.5 @ 100MHz	D,G,H,J,K	35 @ 250MHz	6000	0.082	750
0603HM-8N2E_TS	8.2 @ 100MHz	D,G,H,J,K	35 @ 250MHz	6000	0.11	650
0603HM-8N7E_TS	8.7 @ 100MHz	D,G,H,J,K	35 @ 250MHz	6000	0.11	650
0603HM-9N1E_TS	9.1 @ 100MHz	D,G,H,J,K	35 @ 250MHz	6000	0.11	650
0603HM-9N5E_TS	9.5 @ 100MHz	D,G,H,J,K	35 @ 250MHz	6000	0.11	650
0603HM-100E_TS	10.0 @ 100MHz	G,H,J,K	35 @ 250MHz	6000	0.11	650
0603HM-110E_TS	11.0 @ 100MHz	G,H,J,K	35 @ 250MHz	6000	0.11	650
0603HM-120E_TS	12.0 @ 100MHz	G,H,J,K	35 @ 250MHz	6000	0.13	600
0603HM-130E_TS	13.0 @ 100MHz	G,H,J,K	35 @ 250MHz	6000	0.13	600
0603HM-150E_TS	15.0 @ 100MHz	G,H,J,K	40 @ 250MHz	6000	0.13	600
0603HM-160E_TS	16.0 @ 100MHz	G,H,J,K	40 @ 250MHz	5500	0.16	550
0603HM-180E_TS	18.0 @ 100MHz	G,H,J,K	40 @ 250MHz	5500	0.16	550
0603HM-200E_TS	20.0 @ 100MHz	G,H,J,K	40 @ 250MHz	4900	0.16	550
0603HM-220E_TS	22.0 @ 100MHz	G,H,J,K	40 @ 250MHz	4600	0.16	500
0603HM-230E_TS	23.0 @ 100MHz	G,H,J,K	40 @ 250MHz	3800	0.15	500
0603HM-240E_TS	24.0 @ 100MHz	G,H,J,K	40 @ 250MHz	3800	0.21	500
0603HM-270E_TS	27.0 @ 100MHz	G,H,J,K	40 @ 250MHz	3700	0.21	440
0603HM-300E_TS	30.0 @ 100MHz	G,H,J,K	40 @ 250MHz	3300	0.23	420
0603HM-330E_TS	33.0 @ 100MHz	G,H,J,K	40 @ 250MHz	3200	0.23	420
0603HM-360E_TS	36.0 @ 100MHz	G,H,J,K	40 @ 250MHz	2900	0.26	400
0603HM-390E_TS	39.0 @ 100MHz	G,H,J,K	40 @ 250MHz	2800	0.26	400
0603HM-430E_TS	43.0 @ 100MHz	G,H,J,K	40 @ 200MHz	2700	0.29	380
0603HM-470E_TS	47.0 @ 100MHz	G,H,J,K	38 @ 200MHz	2600	0.29	380
0603HM-510E_TS	51.0 @ 100MHz	G,H,J,K	38 @ 200MHz	2500	0.33	370
0603HM-560E_TS	56.0 @ 100MHz	G,H,J,K	38 @ 200MHz	2400	0.35	360
0603HM-620E_TS	62.0 @ 100MHz	G,H,J,K	38 @ 200MHz	2300	0.51	280
0603HM-680E_TS	68.0 @ 100MHz	G,H,J,K	38 @ 200MHz	2200	0.38	340
0603HM-720E_TS	72.0 @ 100MHz	G,H,J,K	34 @ 150MHz	2100	0.56	270
0603HM-750E_TS	75.0 @ 100MHz	G,H,J,K	34 @ 150MHz	2050	0.56	270
0603HM-820E_TS	82.0 @ 100MHz	G,H,J,K	34 @ 150MHz	2000	0.60	250
0603HM-910E_TS	91.0 @ 100MHz	G,H,J,K	34 @ 150MHz	1900	0.64	230
0603HM-101E_TS	100 @ 100MHz	G,H,J,K	34 @ 150MHz	1800	0.68	220
0603HM-111E_TS	110 @ 100MHz	G,H,J,K	32 @ 150MHz	1800	1.2	200
0603HM-121E_TS	120 @ 100MHz	G,H,J,K	32 @ 150MHz	1600	1.3	180
0603HM-131E_TS	130 @ 100MHz	G,H,J,K	32 @ 150MHz	1450	1.4	170
0603HM-151E_TS	150 @ 100MHz	G,H,J,K	32 @ 150MHz	1400	1.5	160
0603HM-161E_TS	160 @ 100MHz	G,H,J,K	32 @ 100MHz	1350	2.1	150
0603HM-181E_TS	180 @ 100MHz	G,H,J,K	25 @ 100MHz	1300	2.2	140
0603HM-201E_TS	200 @ 100MHz	G,H,J,K	25 @ 100MHz	1250	2.4	120
0603HM-211E_TS	210 @ 100MHz	G,H,J,K	25 @ 100MHz	1200	2.4	120
0603HM-221E_TS	220 @ 100MHz	G,H,J,K	25 @ 100MHz	1200	2.5	120
0603HM-271E_TS	270 @ 100MHz	G,H,J,K	30 @ 100MHz	960	3.4	110
0603HM-301E_TS	300 @ 100MHz	G,H,J,K	30 @ 100MHz	990	2.8	110

0603HM-331E_TS	330 @ 100MHz	G,H,J,K	30 @ 100MHz	800	5.5	85
0603HM-391E_TS	390 @ 100MHz	G,H,J,K	30 @ 100MHz	800	6.2	80
0603HM-471E_TS	470 @ 100MHz	G,H,J,K	30 @ 100MHz	700	7.0	75
0603HM-561E_TS	560 @ 100MHz	G,H,J,K	30 @ 100MHz	700	8.0	70

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

## 2.2 Shape & Dimension



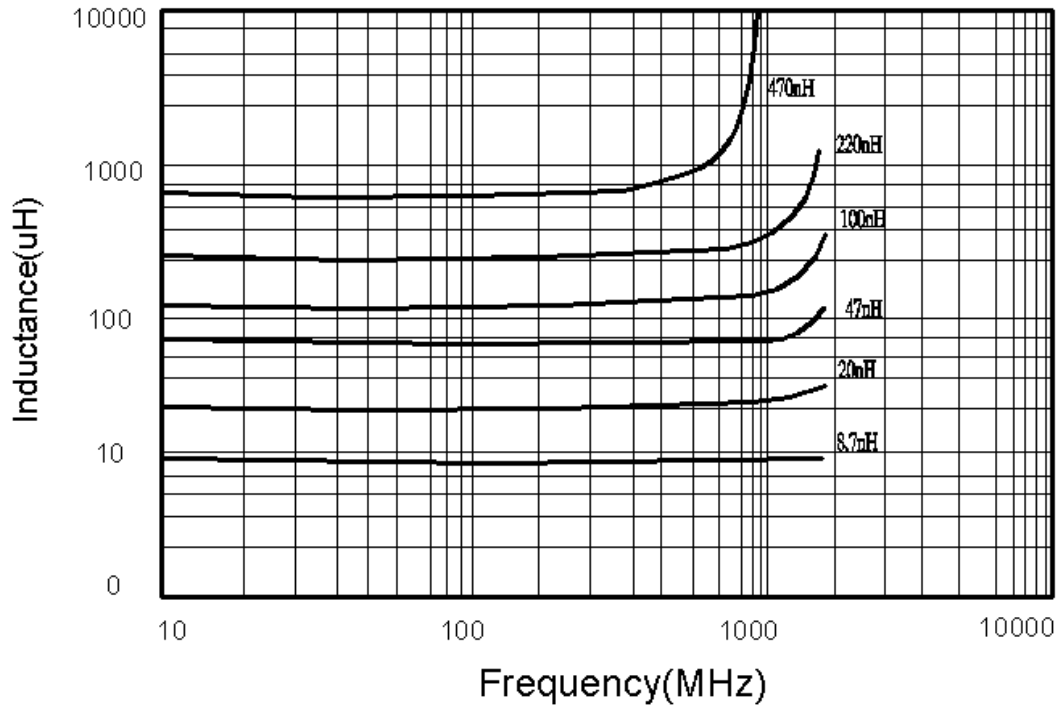
	A		B		C		D	E	F	G	H	I
	Max	Min.	Max	Min.	Max	Min.						
Inch	0.071	0.055	0.043	0.031	0.035	0.028	0.029	0.011	0.040	0.040	0.027	0.028
mm	1.80	1.40	1.10	0.80	0.90	0.70	0.74	0.28	1.02	1.02	0.69	0.72

Parts/Reel: 7" 4,000 PCS

Tape Width: 8mm

### 2.3 L vs F & Q vs F Curve

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY

