1. Part Description

1.1Part Numbering (Example)

(Ex.) **0603** **HC** - **101** **E** **J** **T** **S**

SIZE
0402 1.0 * 0.5 mm
0603 1.6 * 0.8 mm

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

PRODUCT ID

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

SHAPE
E = FLAT TOP

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

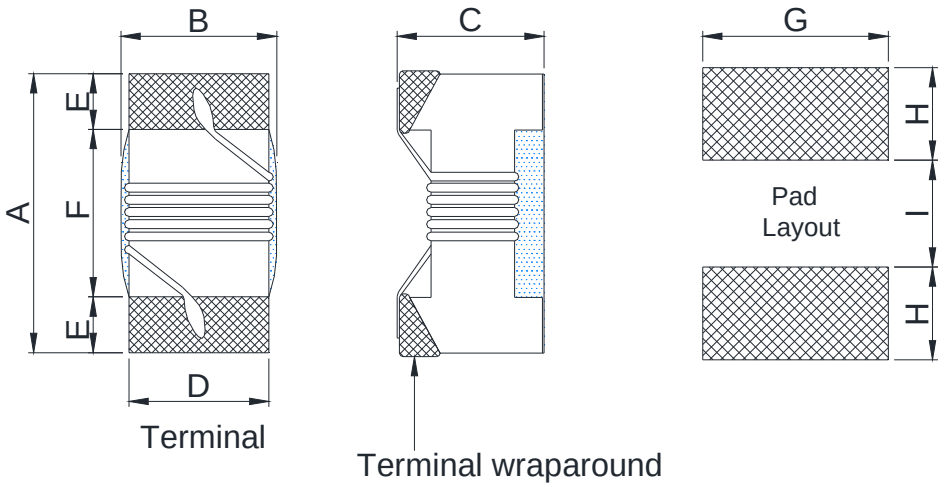
0603HC Series (2.2 ~ 33nH)

Part Number	Inductance nH	Percent Tolerance	Q Min	SRF Min MHz	RDC Max Ohms	IDC Max mA
0603HC-2N2E_TS	2.2 @ 100MHz	10,5	25 @ 250MHz	18000	0.018	1400
0603HC-3N9E_TS	3.9 @ 100MHz	10,5,3	38 @ 250MHz	11000	0.032	1000
0603HC-5N6E_TS	5.6 @ 100MHz	10,5,3,2	38 @ 250MHz	10000	0.045	900
0603HC-6N8E_TS	6.8 @ 100MHz	10,5,3,2	38 @ 250MHz	7000	0.045	900
0603HC-8N2E_TS	8.2 @ 100MHz	10,5,3,2	38 @ 250MHz	7000	0.058	800
0603HC-100E_TS	10.0 @ 100MHz	10,5,3,2	38 @ 250MHz	5000	0.058	800
0603HC-120E_TS	12.0 @ 100MHz	10,5,3,2	38 @ 250MHz	5000	0.071	750
0603HC-150E_TS	15.0 @ 100MHz	10,5,3,2	42 @ 250MHz	4500	0.085	700
0603HC-180E_TS	18.0 @ 100MHz	10,5,3,2	42 @ 250MHz	3500	0.085	700
0603HC-220E_TS	22.0 @ 100MHz	10,5,3,2	42 @ 250MHz	3200	0.099	640
0603HC-270E_TS	27.0 @ 100MHz	10,5,3,2	42 @ 250MHz	2800	0.116	590
0603HC-330E_TS	33.0 @ 100MHz	10,5,3,2	42 @ 250MHz	2500	0.132	550

Working Temperature Range : - 55 ℃ ~ 125 ℃

0603HC Series Shape Dimension

Shape & Dimension

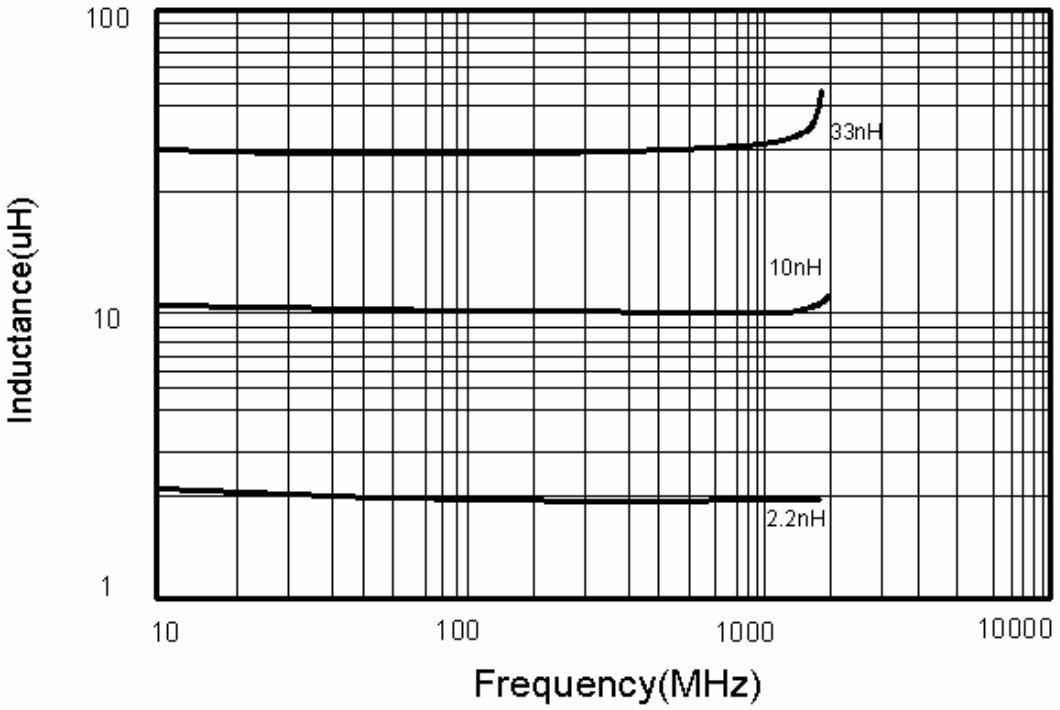


	A		B		C		D	E	F	G	H	I
	Max	Min.	Max	Min.	Max	Min.						
Inch	0.071	0.055	0.043	0.031	0.035	0.028	0.029	0.011	0.040	0.040	0.027	0.028
mm	1.80	1.40	1.10	0.80	0.90	0.70	0.74	0.28	1.02	1.02	0.69	0.72

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

0603HC Series Typical Electrical Characteristics

TYPICAL L vs FREQUENCY



TYPICAL Q vs FREQUENCY