

1. PART NO. EXPRESSION :

SCI0603HC-1N6JF

(a) (b) (c) (d) (e)(f)

(a) Series code

(b) Dimension code

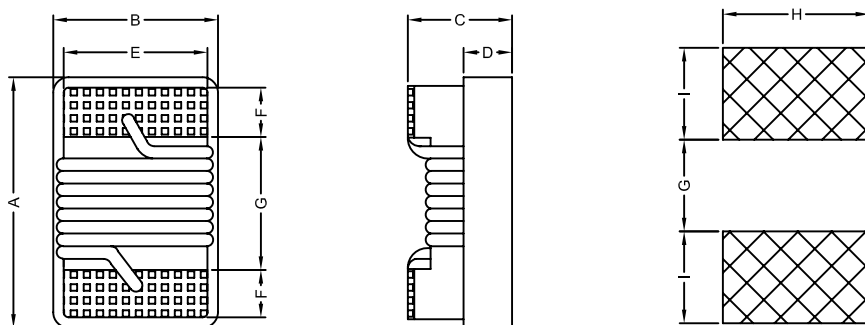
(c) Type code : HC (High Current)

(d) Inductance code : 1N6 = 1.6nH

(e) Tolerance code : G = $\pm 2\%$, J = $\pm 5\%$, K = $\pm 10\%$

(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :

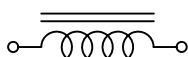


PCB Pattern

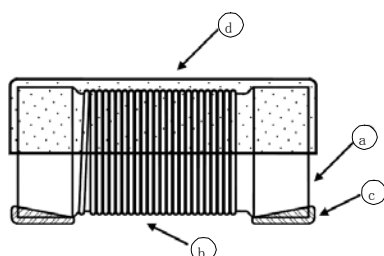
Unit:mm

A	B	C	D	E	F	G	H	I	J
1.80 Max.	1.12 Max.	1.02 Max.	0.38 Ref.	0.76 Ref.	0.33 Ref.	0.86 Ref.	1.02 Ref.	0.64 Ref.	0.64 Ref.

3. SCHEMATIC :



4. MATERIALS :



(a) Ceramic Core

(b) Magnet Wire

(c) Electrode (Ag/Pd+Ni+Sn)

(d) UV Glue



RoHS Compliant

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13.10.2015



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5. GENERAL SPECIFICATION :

- a) Operating temp. : -40° C to +125° C
- b) Storage condition (component in its packaging)
 - i) Temperature : -10 to 40° C
 - ii) Humidity : 60%

6. ELECTRICAL CHARACTERISTICS :

Part No.	Tolerance Available	L (nH)	Test Freq (MHz)	Q Min.	Q Test Freq (MHz)	SRF (MHz) Min.	DCR (Ω) Max.	IDC (mA) Max.
SCI0603HC-1N6□F	K, J	1.6	250	24	250	12500	0.030	2400
SCI0603HC-3N6□F	K, J	3.6	250	24	250	5900	0.048	2300
SCI0603HC-3N9□F	K, J	3.9	250	25	250	5900	0.054	2200
SCI0603HC-6N8□F	K, J	6.8	250	35	250	5800	0.054	2100
SCI0603HC-7N5□F	K, J	7.5	250	38	250	3700	0.059	2100
SCI0603HC-8N2□F	K, J	8.2	250	38	250	3700	0.060	2000
SCI0603HC-10N□F	K, J, G	10	250	38	250	3700	0.071	2000
SCI0603HC-12N□F	K, J, G	12	250	38	250	3000	0.075	2000
SCI0603HC-15N□F	K, J, G	15	250	38	250	2800	0.080	1900
SCI0603HC-18N□F	K, J, G	18	250	40	250	2800	0.099	1900
SCI0603HC-22N□F	K, J, G	22	250	42	250	2400	0.099	1800
SCI0603HC-24N□F	K, J, G	24	250	42	250	2400	0.105	1800

Inductance tolerance :

- : G : ±2%
- J : ±5%
- K : ±10%

**RoHS Compliant**

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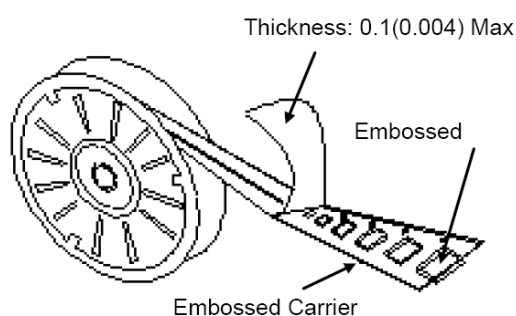
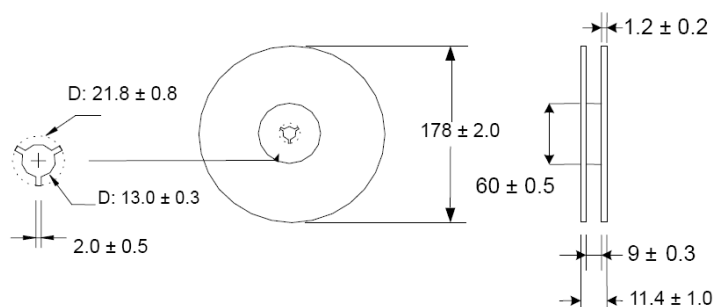
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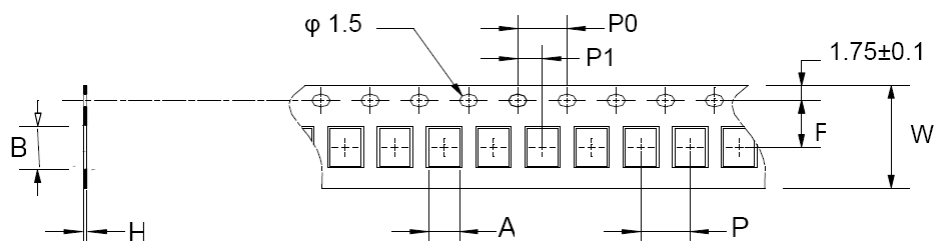
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7. ELECTRICAL CHARACTERISTICS :

Reel Dimension & Packaging Quantity



Paper Tape specification and Packaging Quantity



DIMENSION (unit: mm)

SERIES	A	B	H	F	P	Po	P1	w	Reel(EA)
SCI0603HC	1.35	1.95	0.95	3.50	4.00	4.00	2.00	8.00	4000



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