

1. PART NO. EXPRESSION :

SCI1008HQ-3N0JF

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

(a) Series code

(b) Dimension code

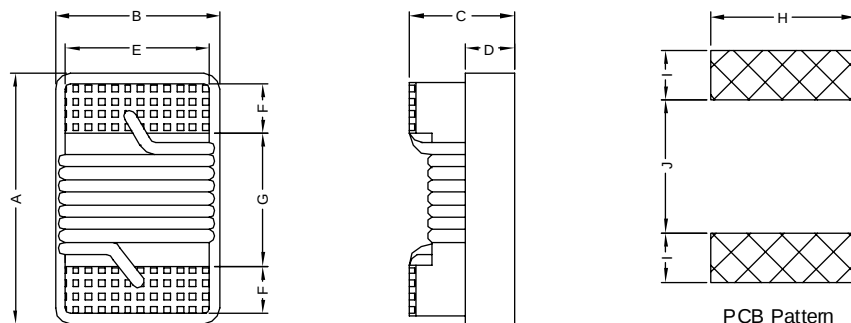
(c) Type code : HQ (High Q factor)

(d) Inductance code : 3N0 = 3.0nH

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

(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :

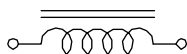


PCB Pattern

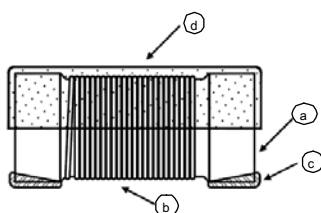
Unit: m/m

A	B	C	D	E	F	G	H	I	J
2.92 Max.	2.79 Max.	2.03 Max.	0.65 Ref.	2.03 Ref.	0.51 Ref.	1.52 Ref.	2.54 Ref.	1.02 Ref.	1.27 Ref.

3. SCHEMATIC :



4. MATERIALS :



(a) Ceramic Core

(b) Magnet Wire

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

(d) UV Glue



RoHS Compliant

NOTE : Specifications subject to change without notice. Please check our website for latest information.

06.02.2015



SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 1

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.
SCI1008HQ-3N0□F	K, J	3.0	50	70	1500	6000	0.040	1600
SCI1008HQ-3N9□F	K, J	3.9	50	75	1500	6000	0.050	1600
SCI1008HQ-4N1□F	K, J	4.1	50	75	1500	6000	0.050	1600
SCI1008HQ-7N8□F	K, J	7.8	50	75	500	3800	0.050	1600
SCI1008HQ-10N□F	K, J, G	10	50	60	500	3600	0.060	1600
SCI1008HQ-12N□F	K, J, G	12	50	70	500	2800	0.060	1500
SCI1008HQ-18N□F	K, J, G	18	50	62	350	2700	0.070	1400
SCI1008HQ-22N□F	K, J, G	22	50	62	350	2050	0.070	1400
SCI1008HQ-33N□F	K, J, G	33	50	75	350	1700	0.090	1300
SCI1008HQ-39N□F	K, J, G	39	50	75	350	1300	0.090	1300
SCI1008HQ-47N□F	K, J, G	47	50	75	350	1450	0.120	1200
SCI1008HQ-56N□F	K, J, G	56	50	75	350	1230	0.120	1200
SCI1008HQ-68N□F	K, J, G	68	50	80	350	1150	0.130	1100
SCI1008HQ-82N□F	K, J, G	82	50	80	350	1060	0.160	1100
SCI1008HQ-R10□F	K, J, G	100	50	50	350	820	0.160	1000

Inductance tolerance :

- : G : ±2%
- J : ±5%
- K : ±10%



RoHS Compliant

NOTE : Specifications subject to change without notice. Please check our website for latest information.

06.02.2015

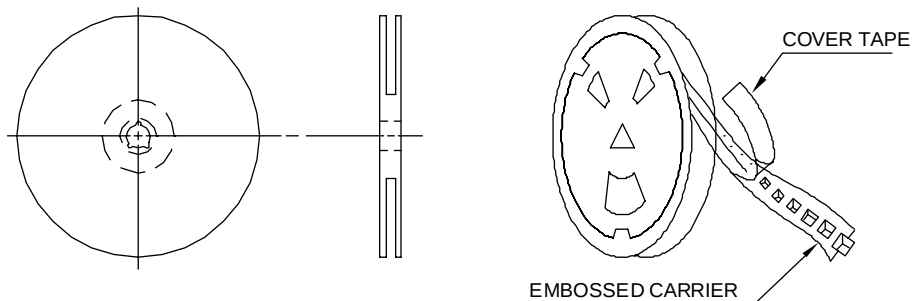


SUPERWORLD ELECTRONICS (S) PTE LTD

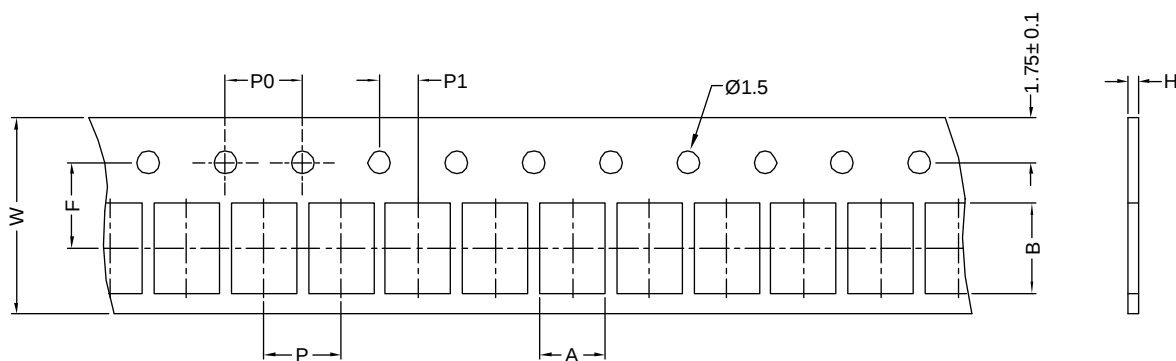
PG. 2

7. PACKAGING INFORMATION :

Reel Configuration :



Paper Tape :



Dimension (unit: mm)

Series	A	B	H	F	P	P0	P1	W	Qty
SCI0402S	0.72	1.19	0.60	3.50	2.00	4.00	2.00	8.00	4000pcs / reel
SCI0603S	1.35	1.95	0.95	3.50	4.00	4.00	2.00	8.00	4000pcs / reel

NOTE : Specifications subject to change without notice. Please check our website for latest information.



RoHS Compliant

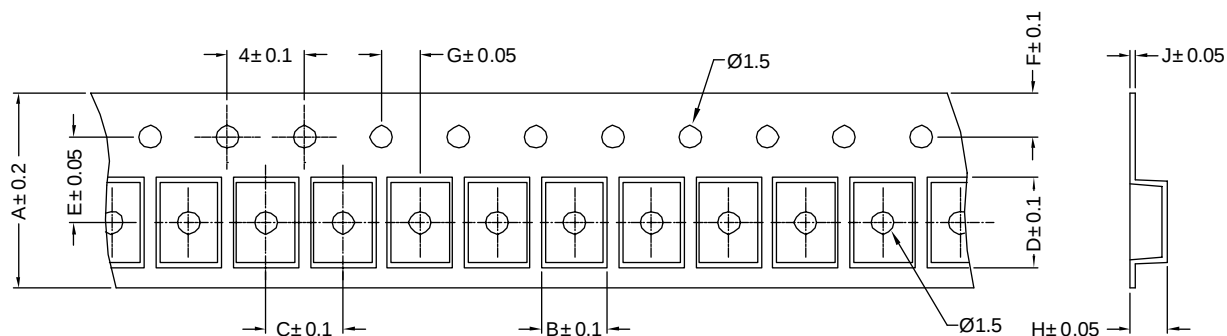
06.02.2015



SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 3

Embossed Carrier Tape :



Dimension (unit: mm)

Series	A	B	C	D	E	F	G	H	J	Qty
SCI0805S	8	1.85	4	2.30	3.5	1.75	2	1.45	0.23	2000pcs / reel
SCI0805LP	8	1.80	4	2.30	3.5	1.75	2	0.90	0.23	2000pcs / reel
SCI0805HQ	8	1.85	4	2.30	3.5	1.75	2	1.45	0.23	2000pcs / reel
SCI1008S	8	2.70	4	2.80	3.5	1.75	2	2.00	0.23	2000pcs / reel
SCI1008LP	8	2.70	4	2.80	3.5	1.75	2	1.50	0.23	2000pcs / reel
SCI1008HQ	8	2.70	4	2.80	3.5	1.75	2	2.00	0.23	2000pcs / reel

NOTE : Specifications subject to change without notice. Please check our website for latest information.



RoHS Compliant

06.02.2015



SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 4