WIREWOUND CHIP INDUCTORS

SCI0805HQ SERIES

1. PART NO. EXPRESSION :

SCI 0805 HQ - 2N5 J F

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

(a) Series code

(b) Dimension code

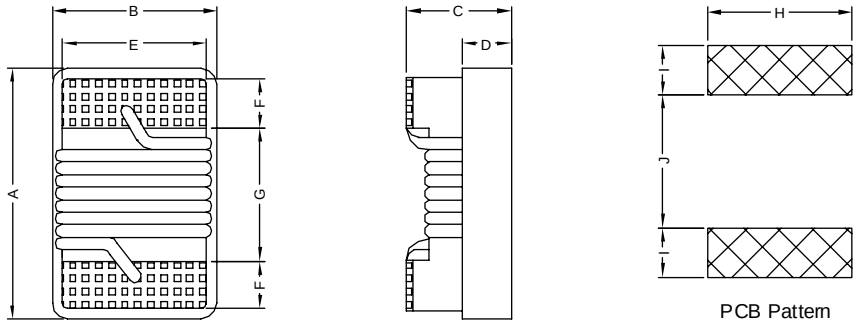
(c) Type code : HQ (High Q factor)

(d) Inductance code : 2N5 = 2.5nH

(e) Tolerance code : G = ± 2%, J = ± 5%, K = ± 10%

(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :

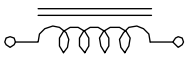


PCB Pattern

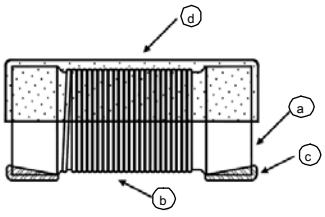
Unit:m/m

A	B	C	D	E	F	G	H	I	J
2.29 Max.	1.73 Max.	1.52 Max.	0.51 Ref.	1.27 Ref.	0.44 Ref.	1.02 Ref.	1.78 Ref.	1.02 Ref.	0.76 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

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.
SCI0805HQ-2N5□F	K, J	2.5	250	80	1500	6000	0.020	1600
SCI0805HQ-5N6□F	K, J	5.6	250	98	1500	6000	0.035	1600
SCI0805HQ-6N2□F	K, J	6.2	250	88	1000	4750	0.035	1600
SCI0805HQ-6N8□F	K, J	6.8	250	80	1000	4400	0.035	1600
SCI0805HQ-8N2□F	K, J	8.2	250	75	1000	3000	0.075	1000
SCI0805HQ-10N□F	K, J	10	250	80	1000	3000	0.060	1600
SCI0805HQ-12N□F	K, J	12	250	80	1000	3000	0.045	1600
SCI0805HQ-15N□F	K, J, G	15	250	80	1000	2800	0.100	1200
SCI0805HQ-16N□F	K, J, G	16	250	72	500	2950	0.060	1500
SCI0805HQ-18N□F	K, J, G	18	250	75	500	2550	0.060	1400
SCI0805HQ-20N□F	K, J, G	20	250	70	500	2050	0.055	1400
SCI0805HQ-22N□F	K, J, G	22	250	80	500	2000	0.100	1200
SCI0805HQ-27N□F	K, J, G	27	250	75	500	2000	0.070	1300
SCI0805HQ-30N□F	K, J, G	30	250	65	500	1950	0.095	1200
SCI0805HQ-39N□F	K, J, G	39	250	65	500	1600	0.110	1100
SCI0805HQ-48N□F	K, J, G	48	200	65	500	1400	0.095	1200
SCI0805HQ-51N□F	K, J, G	51	200	65	500	1400	0.120	1000

Inductance tolerance :

□ : G : ±2%

J : ± 5%

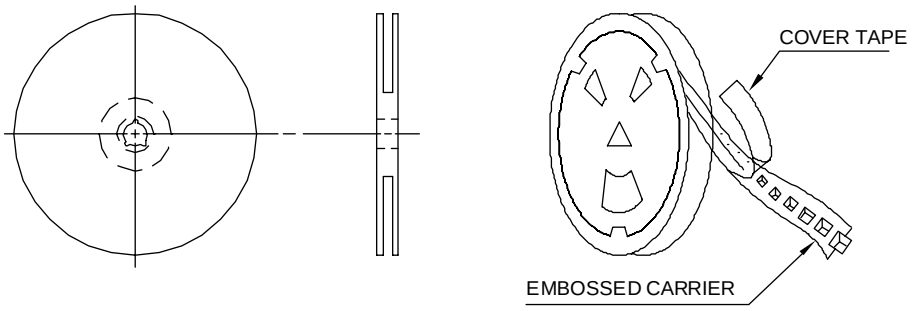
K : ± 10%

RoHS Compliant

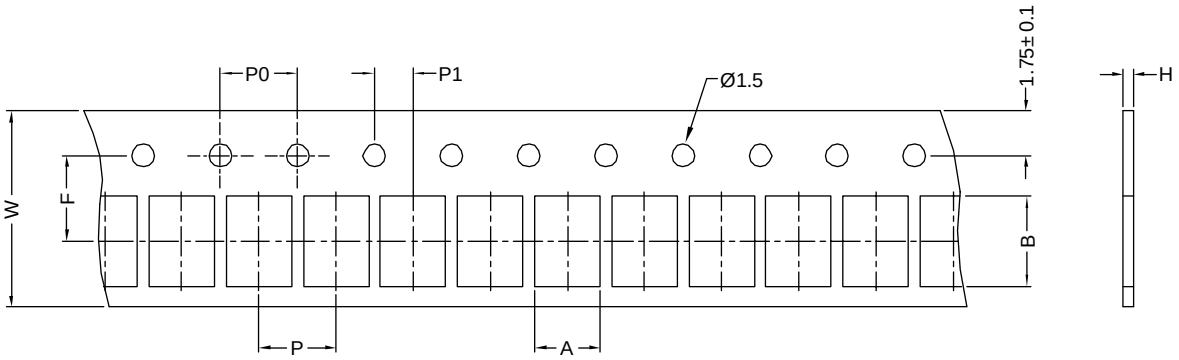
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7. PACKAGING INFORMATION :

Reel Configuration :



Paper Tape :



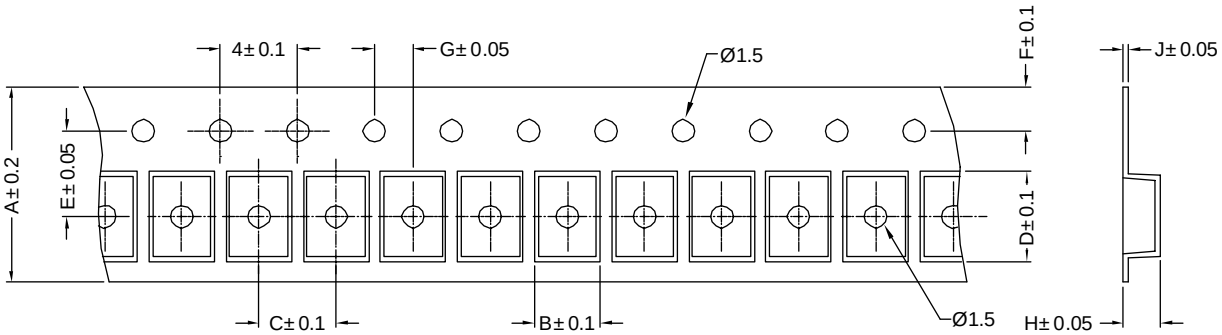
Dimension (unit: mm)

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

Pb
RoHS Compliant

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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

RoHS Compliant

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