

1. PART NO. EXPRESSION :

SCI0805S-2N8KF
(a) (b) (c) (d) (e)(f)

(a) Series code

(b) Dimension code

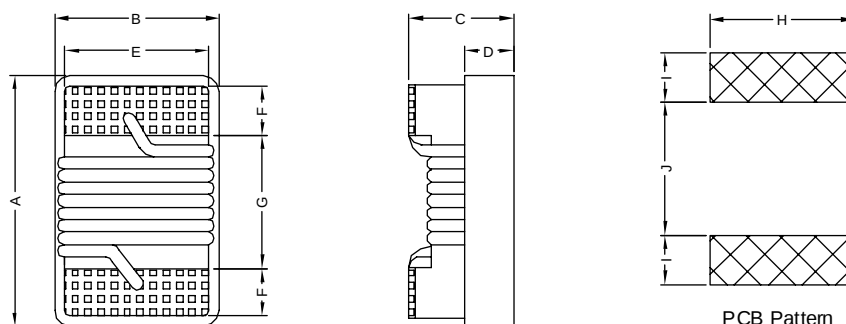
(c) Type code : S (Standard)

(d) Inductance code : 2N8 = 2.8nH

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

(f) F : RoHS Compliant

2. CONFIGURATION & DIMENSIONS :



PCB Pattern

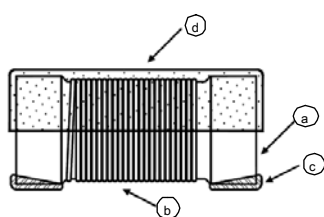
Unit: m/m

A	B	C	D	E	F	G	H	I	J
2.29 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

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%



RoHS Compliant

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

03.02.2015

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.
SCI0805S-2N7 $\square$ F	K, J	2.7	250	80	1500	7900	0.060	800
SCI0805S-2N8 $\square$ F	K, J	2.8	250	80	1500	7900	0.060	800
SCI0805S-3N0 $\square$ F	K, J	3.0	250	65	1500	7900	0.060	800
SCI0805S-3N3 $\square$ F	K, J	3.3	250	50	1500	6000	0.080	600
SCI0805S-5N6 $\square$ F	K, J	5.6	250	65	1000	5500	0.080	600
SCI0805S-6N2 $\square$ F	K, J	6.2	250	50	1000	5500	0.110	600
SCI0805S-6N8 $\square$ F	K, J	6.8	250	50	1000	5500	0.110	600
SCI0805S-7N5 $\square$ F	K, J	7.5	250	50	1000	4500	0.140	600
SCI0805S-8N2 $\square$ F	K, J	8.2	250	50	1000	4700	0.120	600
SCI0805S-8N7 $\square$ F	K, J	8.7	250	50	1000	4000	0.210	400
SCI0805S-10N $\square$ F	K, J, G	10	250	60	500	4200	0.100	600
SCI0805S-12N $\square$ F	K, J, G	12	250	50	500	4000	0.150	600
SCI0805S-15N $\square$ F	K, J, G	15	250	50	500	3400	0.170	600
SCI0805S-18N $\square$ F	K, J, G	18	250	50	500	3300	0.200	600
SCI0805S-22N $\square$ F	K, J, G	22	250	55	500	2600	0.220	500
SCI0805S-24N $\square$ F	K, J, G	24	250	50	500	2000	0.220	500
SCI0805S-27N $\square$ F	K, J, G	27	250	55	500	2500	0.250	500
SCI0805S-33N $\square$ F	K, J, G	33	250	60	500	2050	0.270	500
SCI0805S-36N $\square$ F	K, J, G	36	250	55	500	1700	0.270	500
SCI0805S-39N $\square$ F	K, J, G	39	250	60	500	2000	0.290	500
SCI0805S-43N $\square$ F	K, J, G	43	200	60	500	1650	0.340	500
SCI0805S-47N $\square$ F	K, J, G	47	200	60	500	1650	0.310	500
SCI0805S-56N $\square$ F	K, J, G	56	200	60	500	1550	0.340	500
SCI0805S-68N $\square$ F	K, J, G	68	200	60	500	1450	0.380	500
SCI0805S-72N $\square$ F	K, J, G	72	150	65	500	1400	0.400	500
SCI0805S-82N $\square$ F	K, J, G	82	150	65	500	1300	0.420	400
SCI0805S-91N $\square$ F	K, J, G	91	150	65	500	1200	0.480	400
SCI0805S-R10 $\square$ F	K, J, G	100	150	65	500	1200	0.460	400
SCI0805S-R11 $\square$ F	K, J, G	110	150	50	250	1000	0.480	400
SCI0805S-R12 $\square$ F	K, J, G	120	150	50	250	1100	0.510	400
SCI0805S-R15 $\square$ F	K, J, G	150	100	50	250	920	0.560	400



RoHS Compliant

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

03.02.2015



SUPERWORLD ELECTRONICS (S) PTE LTD

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.
SCI0805S-R18□F	K, J, G	180	100	50	250	870	0.640	400
SCI0805S-R20□F	K, J, G	200	100	50	250	860	0.660	400
SCI0805S-R22□F	K, J, G	220	100	50	250	850	0.700	400
SCI0805S-R24□F	K, J, G	240	100	44	250	690	1.00	350
SCI0805S-R25□F	K, J, G	250	100	50	250	680	1.00	350
SCI0805S-R27□F	K, J, G	270	100	48	250	650	1.00	350
SCI0805S-R30□F	K, J, G	300	100	48	250	620	1.20	330
SCI0805S-R33□F	K, J, G	330	100	48	250	600	1.40	310
SCI0805S-R36□F	K, J, G	360	100	48	250	580	1.45	300
SCI0805S-R39□F	K, J, G	390	100	48	250	560	1.50	290
SCI0805S-R43□F	K, J, G	430	50	33	100	430	1.70	230
SCI0805S-R47□F	K, J, G	470	50	33	100	375	1.70	250
SCI0805S-R56□F	K, J, G	560	25	23	50	340	1.90	230
SCI0805S-R60□F	K, J, G	600	25	23	50	260	1.60	450
SCI0805S-R62□F	K, J, G	620	25	23	50	220	2.20	210
SCI0805S-R68□F	K, J, G	680	25	23	50	200	2.20	190
SCI0805S-R75□F	K, J, G	750	25	23	50	200	2.30	180
SCI0805S-R82□F	K, J, G	820	25	23	50	200	2.35	180
SCI0805S-1R0□F	K, J, G	1000	25	20	50	100	2.50	170
SCI0805S-1R2□F	K, J, G	1200	7.9	18	25	100	2.50	170
SCI0805S-1R5□F	K, J, G	1500	7.9	16	25	100	2.50	170
SCI0805S-1R8□F	K, J, G	1800	7.9	16	7.9	80	2.50	170
SCI0805S-2R2□F	K, J, G	2200	7.9	16	7.9	60	2.70	160
SCI0805S-2R7□F	K, J, G	2700	7.9	16	7.9	50	3.10	150
SCI0805S-3R3□F	K, J, G	3300	7.9	15	7.9	40	4.40	90
SCI0805S-4R7□F	K, J, G	4700	7.9	15	7.9	40	6.40	90

Inductance tolerance :

□ : G : $\pm 2\%$

J : $\pm 5\%$

K : $\pm 10\%$



RoHS Compliant

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

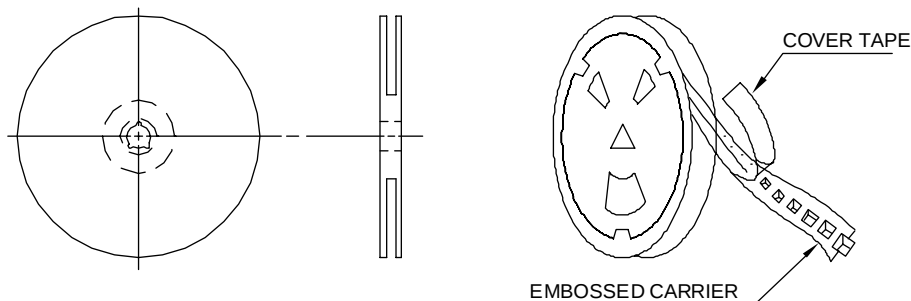
03.02.2015



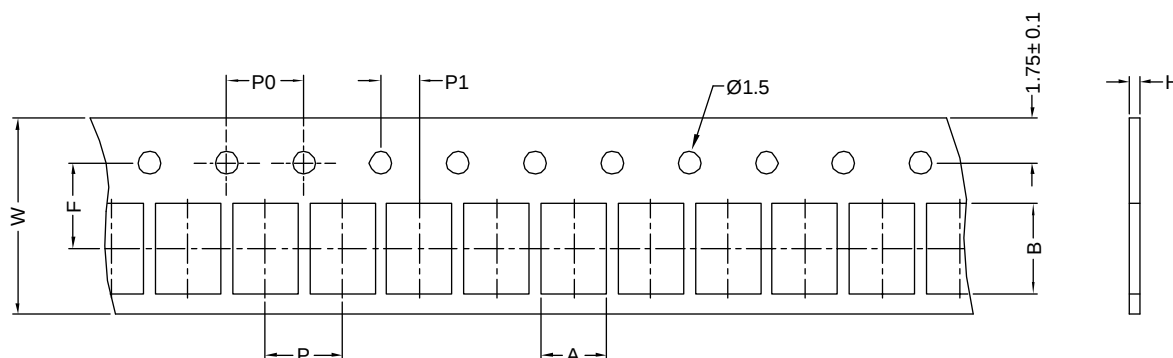
SUPERWORLD ELECTRONICS (S) PTE LTD

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

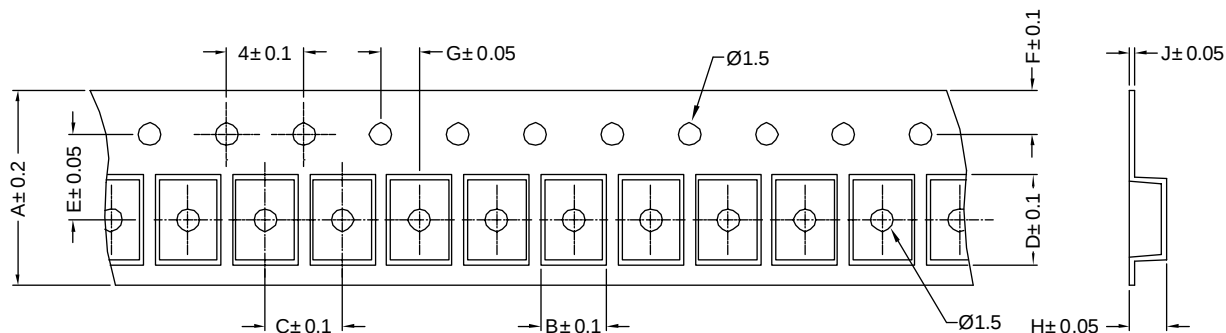
03.02.2015



SUPERWORLD ELECTRONICS (S) PTE LTD

PG. 4

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

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



SUPERWORLD ELECTRONICS (S) PTE LTD

03.02.2015