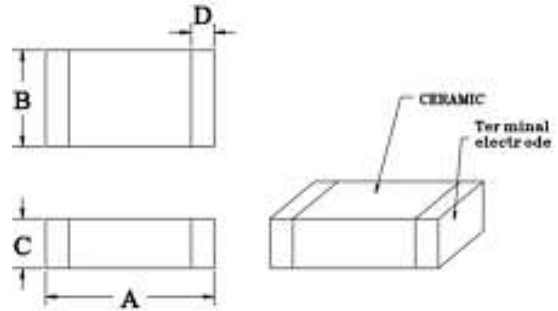


## SMD RF Multilayer Chip Inductor – SCI-C Series

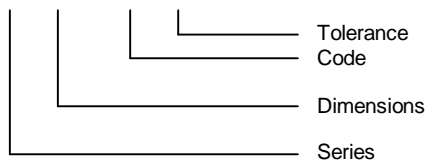


### Features

- Miscellaneous high-frequency circuits
- EMI countermeasure in high-frequency circuits
- High SRF up to 6GHz and above

### Ordering Information

SCI 1005C-4N7 K



### Dimensions

Part No.	A	B	C	D
SCI1005C (0402)	1.0 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.1 Min
SCI1608C (0603)	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	0.3 ± 0.2
SCI2012C (0805)	2.0 ± 0.2	1.2 ± 0.2	0.9 ± 0.2	0.5 ± 0.2

SIZE	SCI1005C	SCI1608C	SCI2012C
QTY/REEL	10000pcs.	4000pcs.	4000pcs.

### Characteristics-SCI1005C

All Series: Tolerance: S = ± 0.3nH; J = ± 5%, K = ± 10%

Part No.	Inductance (nH) @100MHz	Tolerance	Q Typical		SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
			100 MHz	800 MHz			
SCI1005C-1N0S	1.0	S	10	28	13500	0.10	300
SCI1005C-1N2S	1.2	S	9	28	12000	0.10	300
SCI1005C-1N5S	1.5	S	10	30	10500	0.10	300
SCI1005C-1N8S	1.8	S	10	28	9400	0.10	300
SCI1005C-2N2S	2.2	S	10	30	8700	0.20	300
SCI1005C-2N7S	2.7	S	10	30	7700	0.20	300
SCI1005C-3N3 *	3.3	S / K	10	30	6800	0.30	300
SCI1005C-3N9 *	3.9	S / K	11	31	6300	0.30	300
SCI1005C-4N7 *	4.7	S / K	10	30	5700	0.40	300
SCI1005C-5N6 *	5.6	S / K	11	31	5100	0.40	300
SCI1005C-6N8 *	6.8	J / K	10	31	4550	0.50	300
SCI1005C-8N2 *	8.2	J / K	12	34	4100	0.50	300
SCI1005C-10N *	10.0	J / K	12	32	3750	0.60	300
SCI1005C-12N *	12.0	J / K	12	31	2950	0.60	300
SCI1005C-15N *	15.0	J / K	11	30	2600	0.70	300
SCI1005C-18N *	18.0	J / K	11	29	2350	0.80	300
SCI1005C-22N *	22.0	J / K	11	28	1950	0.90	300
SCI1005C-27N *	27.0	J / K	12	27	1750	1.00	300
SCI1005C-33N *	33.0	J / K	10	25	1700	1.50	200
SCI1005C-39N *	39.0	J / K	10	25	1650	1.80	200
SCI1005C-47N *	47.0	J / K	9	23	1300	2.00	200



### Characteristics-SCI1608C

Part No.	Inductance (nH) @100MHz	Tolerance	Q Typical		SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
			100 MHz	800 MHz			
SCI1608C-1N2S	1.2	S	13	60	>6000	0.10	300
SCI1608C-1N5S	1.5	S	13	47	>6000	0.10	300
SCI1608C-1N8S	1.8	S	12	51	>6000	0.12	300
SCI1608C-2N2S	2.2	S	12	38	>6000	0.16	300
SCI1608C-2N7S	2.7	S	12	38	>6000	0.20	300
SCI1608C-3N3 *	3.3	S / K	12	41	5700	0.22	300
SCI1608C-3N9 *	3.9	S / K	13	50	5600	0.25	300
SCI1608C-4N7 *	4.7	S / K	12	41	4800	0.28	300
SCI1608C-5N6 *	5.6	S / K	12	42	4350	0.29	300
SCI1608C-6N8 *	6.8	J / K	12	40	3750	0.30	300
SCI1608C-8N2 *	8.2	J / K	13	34	3300	0.33	300
SCI1608C-10N *	10.0	J / K	13	45	2850	0.35	300
SCI1608C-12N *	12.0	J / K	15	46	2700	0.40	300
SCI1608C-15N *	15.0	J / K	15	48	2400	0.45	300
SCI1608C-18N *	18.0	J / K	16	48	2050	0.50	300
SCI1608C-22N *	22.0	J / K	17	45	1850	0.55	300
SCI1608C-27N *	27.0	J / K	17	43	1750	0.60	300
SCI1608C-33N *	33.0	J / K	18	39	1500	0.65	300
SCI1608C-39N *	39.0	J / K	17	37	1350	0.70	300
SCI1608C-47N *	47.0	J / K	17	35	1200	0.90	300
SCI1608C-56N *	56.0	J / K	17	32	1100	1.00	300
SCI1608C-68N *	68.0	J / K	18	34	1000	1.50	300
SCI1608C-82N *	82.0	J / K	18	32	900	1.80	300
SCI1608C-R10 *	100.0	J / K	15	16	830	2.10	300

### Characteristics-SCI2012C

Part No.	Inductance (nH) @100MHz	Tolerance	Q Typical		SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
			100 MHz	800 MHz			
SCI2012C-1N5S	1.5	S	13	40	>6000	0.10	300
SCI2012C-1N8S	1.8	S	13	45	>6000	0.10	300
SCI2012C-2N2S	2.2	S	13	48	>6000	0.10	300
SCI2012C-2N7S	2.7	S	12	36	>6000	0.10	300
SCI2012C-3N3 *	3.3	S / K	13	56	>6000	0.13	300
SCI2012C-3N9 *	3.9	S / K	15	54	5400	0.15	300
SCI2012C-4N7 *	4.7	S / K	15	50	4500	0.20	300
SCI2012C-5N6 *	5.6	S / K	15	53	4000	0.23	300
SCI2012C-6N8 *	6.8	J / K	15	51	3650	0.25	300
SCI2012C-8N2 *	8.2	J / K	15	53	3000	0.28	300
SCI2012C-10N *	10.0	J / K	16	45	2500	0.30	300
SCI2012C-12N *	12.0	J / K	16	48	2450	0.35	300
SCI2012C-15N *	15.0	J / K	17	48	2000	0.40	300
SCI2012C-18N *	18.0	J / K	17	43	1750	0.45	300
SCI2012C-22N *	22.0	J / K	17	47	1700	0.50	300
SCI2012C-27N *	27.0	J / K	18	38	1550	0.55	300
SCI2012C-33N *	33.0	J / K	18	35	1350	0.60	300
SCI2012C-39N *	39.0	J / K	18	40	1300	0.65	300
SCI2012C-47N *	47.0	J / K	18	33	1200	0.70	300
SCI2012C-56N *	56.0	J / K	19	31	1150	0.75	300
SCI2012C-68N *	68.0	J / K	19	28	1000	0.85	300
SCI2012C-82N *	82.0	J / K	20	9	850	0.90	300
SCI2012C-R10 *	100.0	J / K	18	-	730	1.00	300
SCI2012C-R12 *	120.0	J / K	19	-	650	1.30	250
SCI2012C-R15 *	150.0	J / K	20	-	550	1.50	250
SCI2012C-R18 *	180.0	J / K	20	-	500	1.80	250
SCI2012C-R22 *	220.0	J / K	20	-	450	2.00	200
SCI2012C-R27 *	270.0	J / K	20	-	400	2.50	200
SCI2012C-R33 *	330.0	J / K	20	-	380	3.00	150
SCI2012C-R39 *	390.0	J / K	20	-	330	3.50	150
SCI2012C-R47 *	470.0	J / K	19	-	300	4.00	100