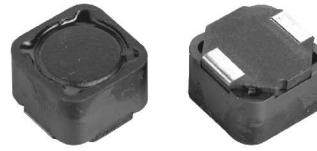


SCL Series

SCL 1207 Type

FEATURES

- ⊙ Magnetically shielded.
- ⊙ Surface mounting type.
- ⊙ High mounting stability.
- ⊙ Large rated current and high inductance.
- ⊙ Use high performance ferrite core.
- ⊙ Density design, small size, low cost.
- ⊙ Low radiation.



ELECTRICAL SPECIFICATION

- ⊙ Tested frequencies : 1.2 μ H ~ 7.6 μ H at 100KHz, 10 μ H ~ 1000 μ H at 1.0KHz
- ⊙ Inductance drop = 10% typ. at rated IDC
- ⊙ Inductance tolerance : 1.2 μ H ~ 7.6 μ H +40% / -20% , 10 μ H ~ 1000 μ H \pm 20% .
- ⊙ Operating temperature range -25 $^{\circ}$ C ~ +85 $^{\circ}$ C

STANDARD ELECTRICAL SPECIFICATION

Part number	Inductance [μ H]	DC Resistance [Ω] (max.)	I.D.C [A] (max.)	CONSTRUCTION (Unit : mm)			
1R2	1.2	0.0070	9.80	<p>Land patterns</p>			
2R4	2.4	0.0115	8.00				
3R5	3.5	0.0135	7.50				
4R7	4.7	0.0158	6.80				
6R1	6.1	0.0176	6.60				
7R6	7.6	0.0200	5.90				
100	10.0	0.0216	5.40				
120	12.0	0.0243	4.90				
150	15.0	0.0270	4.50				
180	18.0	0.0392	3.90				
220	22.0	0.0432	3.60				
270	27.0	0.0459	3.40				
330	33.0	0.0648	3.00				
390	39.0	0.0729	2.75				
470	47.0	0.1000	2.50				
560	56.0	0.1100	2.35				
680	68.0	0.1400	2.10				
820	82.0	0.1600	1.95				
101	100.0	0.2200	1.70				
121	120.0	0.2500	1.60				
151	150.0	0.2800	1.42				
181	180.0	0.3500	1.30				
221	220.0	0.3900	1.16				
271	270.0	0.5600	1.06				
331	330.0	0.6400	0.95				
391	390.0	0.7000	0.88				
471	470.0	0.9800	0.79				
561	560.0	1.0700	0.73				
681	680.0	1.4600	0.67				
821	820.0	1.6400	0.60				
102	1000.0	1.8200	0.55				
				A	B	C	E
				12.0 \pm 0.5	12.0 \pm 0.5	8.3 max.	12.8
				F	G	H	
				7.6	2.9	5.0	