

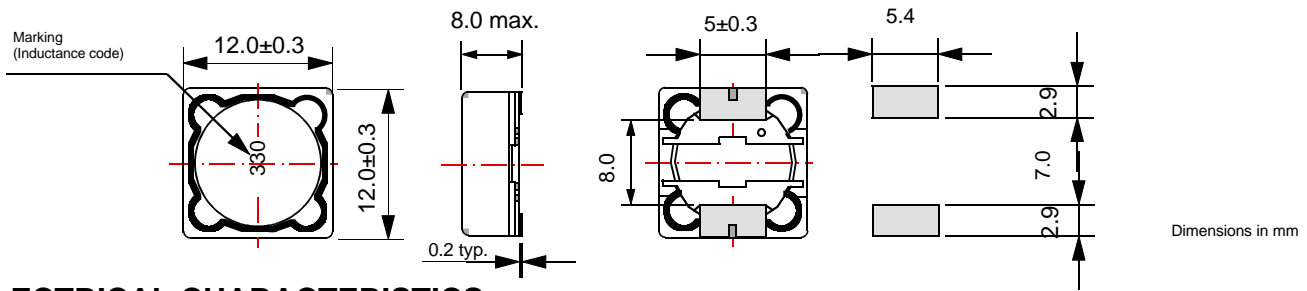
Inductors

For Power Line

SMD

SDS Series SDS127 Type

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Inductance (μH)	Inductance tolerance (%)	Test frequency L(kHz)	DC resistance ($\text{m}\Omega$) $\pm 20\%$	Rated current (A)* max.		Part No.
				Based on inductance change	Based on temperature rise	
1.2	± 30	1	5.0	17.6	10.58	SDS127-1R2N
2.7	± 30	1	8.3	11.2	8.09	SDS127-2R7N
3.9	± 30	1	9.8	9.5	7.42	SDS127-3R9N
5.0	± 30	1	11.3	8.2	6.88	SDS127-5R0N
6.9	± 30	1	12.8	6.5	6.45	SDS127-6R9N
8.0	± 30	1	14.3	5.9	6.08	SDS127-8R0N
10	± 20	1	16.0	5.9	5.74	SDS127-100M
12	± 20	1	17.5	5.3	5.46	SDS127-120M
15	± 20	1	19.2	4.9	5.2	SDS127-150M
18	± 20	1	22.8	4.5	4.76	SDS127-180M
22	± 20	1	31.0	4.0	4.07	SDS127-220M
27	± 20	1	33.3	3.7	3.9	SDS127-270M
33	± 20	1	47.1	3.3	3.25	SDS127-330M
39	± 20	1	52.8	3.2	3.06	SDS127-390M
47	± 20	1	59.0	2.7	2.89	SDS127-470M
56	± 20	1	82.7	2.2	2.42	SDS127-560M
68	± 20	1	107	2.2	2.11	SDS127-680M
82	± 20	1	117	1.9	2.02	SDS127-820M
100	± 20	1	167	1.8	1.67	SDS127-101M
120	± 20	1	185	1.7	1.58	SDS127-121M
150	± 20	1	207	1.5	1.49	SDS127-151M
180	± 20	1	267	1.2	1.3	SDS127-181M
220	± 20	1	299	1.2	1.23	SDS127-221M
270	± 20	1	425	1.2	1.02	SDS127-271M
330	± 20	1	477	1.0	0.96	SDS127-331M
390	± 20	1	522	0.98	0.92	SDS127-391M
470	± 20	1	728	0.88	0.77	SDS127-471M
560	± 20	1	795	0.8	0.73	SDS127-561M
680	± 20	1	1142	0.76	0.61	SDS127-681M
820	± 20	1	1272	0.68	0.57	SDS127-821M
1000	± 20	1	1416	0.57	0.54	SDS127-102M

*Rated current: Value obtained when current flows and the temperature has risen to 40°C or when DC current flows and the initial value of inductance has fallen by 10%, whichever is smaller.

All specifications are subject to change without notice.