

SMT Inductors

For Power Line

SDS Series SDS7032 Type

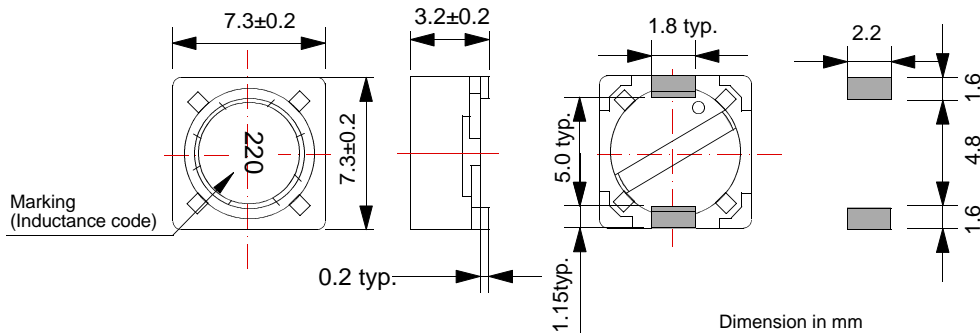
Special Features

- High current capacity
- Low DC resistance
- Low profile
- Magnetically shielded, can be used in high-density mounting
- Flat bottom surface ensures secure, reliable mounting
- Operating temperature -20 ~ 85 °C, including self-temperature rise

Applications

- Portable telephones, hard disk drives, personal computers, and other electronic equipment.

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Inductance (μ H)	Inductance tolerance(%)	Test frequency L (kHz)	DC resistance (Ω) max.	Rated current (A) *max.		Part No.
				Based on inductance change	Based on temperature rise	
10	±20	1	0.072	1.5	2.11	SDS7032-100M
12	±20	1	0.098	1.4	1.7	SDS7032-120M
15	±20	1	0.12	1.3	1.5	SDS7032-150M
18	±20	1	0.13	1.2	1.46	SDS7032-180M
22	±20	1	0.17	1.1	1.23	SDS7032-220M
27	±20	1	0.19	1.0	1.22	SDS7032-270M
33	±20	1	0.22	0.9	1.2	SDS7032-330M
39	±20	1	0.28	0.83	0.98	SDS7032-390M
47	±20	1	0.32	0.77	0.92	SDS7032-470M
56	±20	1	0.36	0.72	0.88	SDS7032-560M
68	±20	1	0.47	0.6	0.81	SDS7032-680M
82	±20	1	0.65	0.56	0.61	SDS7032-820M
100	±20	1	0.72	0.52	0.6	SDS7032-101M
120	±20	1	0.82	0.46	0.55	SDS7032-121M
150	±20	1	1.16	0.44	0.46	SDS7032-151M
180	±20	1	1.2	0.4	0.43	SDS7032-181M
220	±20	1	1.37	0.35	0.41	SDS7032-221M
270	±20	1	2.0	0.31	0.4	SDS7032-271M
330	±20	1	2.27	0.29	0.34	SDS7032-331M
390	±20	1	2.59	0.24	0.31	SDS7032-391M
470	±20	1	3.39	0.23	0.28	SDS7032-471M
560	±20	1	3.78	0.22	0.25	SDS7032-561M
680	±20	1	5.12	0.20	0.22	SDS7032-681M
820	±20	1	5.76	0.19	0.2	SDS7032-821M
1000	±20	1	8.2	0.18	0.18	SDS7032-102M

*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.

POWER-MAG