SDRH Series

SMD Shielded Power Inductor

Size 7345

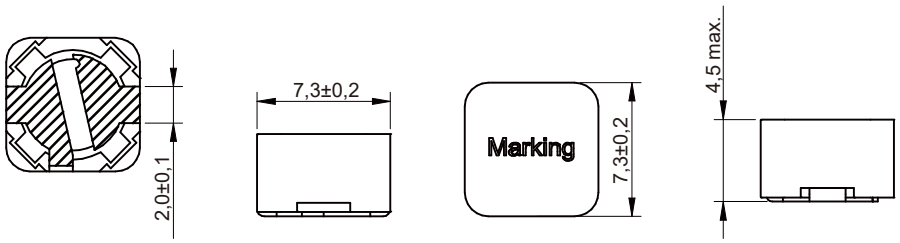
FEATURES

Magnetically shielded version which results in a low leakage field;
Highest possiblecurrent loading for SMD Inductors;
Low self-losses;
Quantity: 1000pcs;

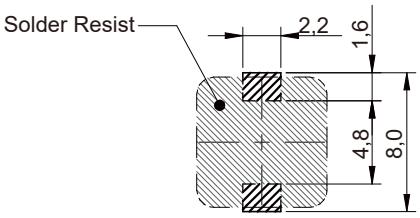
APPLICATIONS

Perfectly suitable for switching regulators with high efficiency;
Integrated DC/DC-converter;
Switching regulators with low operating voltages;

Dimensions: [mm]



Land Patterns: [mm]



Electrical Properties:

Part No	Inductance (µH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DCR Typ (Ω)	DCR Max. (Ω)
SDRH7345-1R0M	1.0	±20%	6.84	9.0	0.0084	0.01
SDRH7345-2R2M	2.2	±20%	6.0	6.5	0.013	0.02
SDRH7345-3R3M	3.3	±20%	3.5	4.6	0.025	0.03
SDRH7345-4R7M	4.7	±20%	3.2	4.0	0.025	0.04
SDRH7345-100M	10	±20%	2.0	2.6	0.045	0.049
SDRH7345-120M	12	±20%	1.82	2.4	0.054	0.058
SDRH7345-150M	15	±20%	1.6	2.2	0.07	0.081
SDRH7345-180M	18	±20%	1.5	2.05	0.08	0.091
SDRH7345-220M	22	±20%	1.41	1.7	0.09	0.11
SDRH7345-270M	27	±20%	1.24	1.55	0.117	0.15
SDRH7345-330M	33	±20%	1.13	1.4	0.14	0.17
SDRH7345-390M	39	±20%	1.11	1.23	0.145	0.23
SDRH7345-470M	47	±20%	1.03	1.1	0.17	0.26
SDRH7345-560M	56	±20%	0.93	1.05	0.207	0.35
SDRH7345-680M	68	±20%	0.87	0.95	0.239	0.38
SDRH7345-820M	82	±20%	0.84	0.9	0.257	0.43
SDRH7345-101M	100	±20%	0.79	0.75	0.29	0.61
SDRH7345-121M	120	±20%	0.67	0.7	0.4	0.66
SDRH7345-151M	150	±20%	0.52	0.63	0.66	0.88

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Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DCR Typ (Ω)	DCR Max. (Ω)
SDRH7345-181M	180	±20%	0.51	0.56	0.68	0.98
SDRH7345-221M	220	±20%	0.44	0.54	0.92	1.17
SDRH7345-271M	270	±20%	0.43	0.48	0.97	1.64
SDRH7345-331M	330	±20%	0.39	0.45	1.15	1.86
SDRH7345-391M	390	±20%	0.38	0.42	1.25	2.85
SDRH7345-471M	470	±20%	0.29	0.34	1.6	3.01
SDRH7345-561M	560	±20%	0.28	0.31	1.72	3.62
SDRH7345-681M	680	±20%	0.23	0.28	2.6	4.63
SDRH7345-821M	820	±20%	0.21	0.26	3.0	5.2
SDRH7345-102M	1000	±20%	0.2	0.25	3.27	6.0

Operating Temperature : -40℃~+125℃
Saturation current will cause L to drop approximately 35% .
Temperature rise current: The actual value of DC current when the temperature rise is △T=40℃.

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