SDRH Series

SMD Shielded Power Inductor

Size 7332

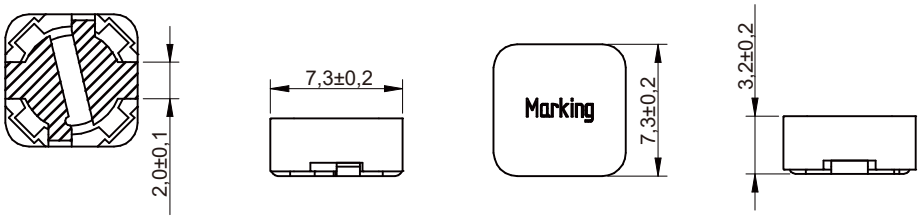
FEATURES

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

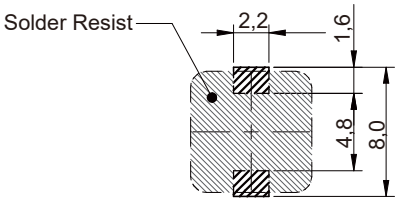
APPLICATIONS

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)
SDRH7332-R54M	0.54	±20%	5.6	9.0	0.0072	0.0085
SDRH7332-1R0M	1.0	±20%	5.37	6.4	0.009	0.012
SDRH7332-2R2M	2.2	±20%	4.02	4.8	0.014	0.02
SDRH7332-3R3M	3.3	±20%	3.1	4.1	0.024	0.0325
SDRH7332-4R7M	4.7	±20%	2.32	4.2	0.042	0.06
SDRH7332-100M	10	±20%	1.83	2.2	0.068	0.072
SDRH7332-120M	12	±20%	1.73	2.15	0.076	0.098
SDRH7332-150M	15	±20%	1.51	1.75	0.1	0.13
SDRH7332-180M	18	±20%	1.41	1.7	0.114	0.14
SDRH7332-220M	22	±20%	1.38	1.4	0.119	0.19
SDRH7332-270M	27	±20%	1.27	1.3	0.14	0.21
SDRH7332-330M	33	±20%	1.22	1.15	0.153	0.24
SDRH7332-390M	39	±20%	1.03	1.1	0.214	0.32
SDRH7332-470M	47	±20%	0.85	1.0	0.315	0.36
SDRH7332-560M	56	±20%	0.84	0.88	0.322	0.47
SDRH7332-680M	68	±20%	0.74	0.84	0.417	0.52
SDRH7332-820M	82	±20%	0.69	0.78	0.479	0.69
SDRH7332-101M	100	±20%	0.62	0.76	0.585	0.79
SDRH7332-121M	120	±20%	0.6	0.68	0.634	0.89
SDRH7332-151M	150	±20%	0.56	0.53	0.72	1.27

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Part No	Inductance (μH)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DCR Typ (Ω)	DCR Max. (Ω)
SDRH7332-181M	180	±20%	0.49	0.5	0.96	1.45
SDRH7332-221M	220	±20%	0.43	0.42	1.22	1.65
SDRH7332-271M	270	±20%	0.4	0.39	1.44	2.31
SDRH7332-331M	330	±20%	0.32	0.35	2.28	2.62
SDRH7332-391M	390	±20%	0.3	0.34	2.49	2.94
SDRH7332-471M	470	±20%	0.3	0.31	2.6	4.18
SDRH7332-561M	560	±20%	0.27	0.3	3.0	4.67
SDRH7332-681M	680	±20%	0.22	0.22	4.5	5.73
SDRH7332-821M	820	±20%	0.21	0.2	5.07	6.5
SDRH7332-102M	1000	±20%	0.2	0.18	5.57	9.44

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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