

SDRH Series

SMD Shielded Power Inductor

Size 1050



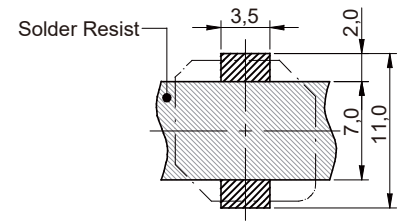
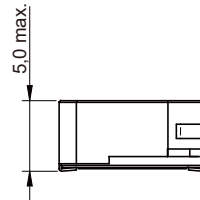
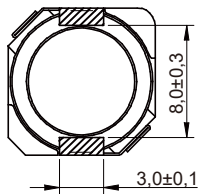
FEATURES

Magnetically shielded version which results in a low leakage field;
Highest possible current loading for SMD Inductors;
Low self-losses;
Quantity: 500pcs;

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 (μ H)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DCR Typ (Ω)	DCR Max. (Ω)
SDRH1050-1R5N	1.5	$\pm 30\%$	10	12.5	0.00555	0.0066
SDRH1050-2R2N	2.2	$\pm 30\%$	8.6	9.5	0.0068	0.008
SDRH1050-3R3N	3.3	$\pm 30\%$	7.5	9.0	0.0089	0.0105
SDRH1050-4R7N	4.7	$\pm 30\%$	7.0	8.0	0.0104	0.0124
SDRH1050-5R6N	5.6	$\pm 30\%$	6.0	7.2	0.012	0.0144
SDRH1050-6R8N	6.8	$\pm 30\%$	5.2	5.8	0.0185	0.022
SDRH1050-100M	10	$\pm 20\%$	4.3	5.0	0.023	0.027
SDRH1050-150M	15	$\pm 20\%$	3.5	4.1	0.036	0.043
SDRH1050-220M	22	$\pm 20\%$	3.0	3.6	0.042	0.05
SDRH1050-330M	33	$\pm 20\%$	2.5	2.9	0.066	0.079
SDRH1050-470M	47	$\pm 20\%$	2.2	2.5	0.083	0.099
SDRH1050-560M	56	$\pm 20\%$	2.0	2.3	0.101	0.121
SDRH1050-680M	68	$\pm 20\%$	1.9	2.2	0.11	0.132
SDRH1050-820M	82	$\pm 20\%$	1.6	1.85	0.147	0.176
SDRH1050-101M	100	$\pm 20\%$	1.5	1.8	0.165	0.198
SDRH1050-151M	150	$\pm 20\%$	1.2	1.4	0.251	0.30
SDRH1050-221M	220	$\pm 20\%$	1.0	1.2	0.366	0.439
SDRH1050-331M	330	$\pm 20\%$	0.71	1.0	0.655	0.75
SDRH1050-471M	470	$\pm 20\%$	0.6	0.82	0.96	1.10
SDRH1050-681M	680	$\pm 20\%$	0.51	0.71	1.14	1.22
SDRH1050-102M	1000	$\pm 20\%$	0.43	0.55	1.86	2.05

Operating Temperature : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

Saturation current will cause L to drop approximately 35% .

Temperature rise current: The actual value of DC current when the temperature rise is $\Delta T=40^{\circ}\text{C}$.