

SDRH Series

SMD Shielded Power Inductor

Size 1260



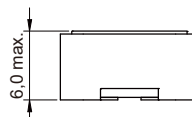
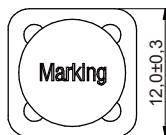
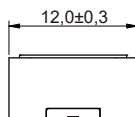
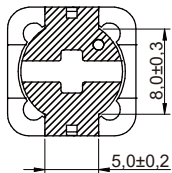
FEATURES

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

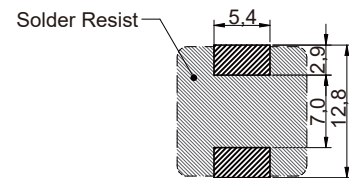
APPLICATIONS

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)
SDRH1260-1R5M	1.5	±20%	10.5	12.5	0.004	0.006
SDRH1260-2R2M	2.2	±20%	10.0	11.0	0.005	0.008
SDRH1260-3R5M	3.5	±20%	9.25	9.0	0.005	0.008
SDRH1260-4R7M	4.7	±20%	8.25	8.0	0.008	0.011
SDRH1260-6R8M	6.8	±20%	5.60	6.0	0.014	0.022
SDRH1260-8R2M	8.2	±20%	6.25	6.25	0.014	0.020
SDRH1260-100M	10	±20%	4.09	5.6	0.021	0.025
SDRH1260-120M	12	±20%	3.91	4.85	0.023	0.027
SDRH1260-150M	15	±20%	3.75	4.55	0.025	0.030
SDRH1260-180M	18	±20%	3.48	4.30	0.029	0.034
SDRH1260-220M	22	±20%	3.37	3.77	0.031	0.036
SDRH1260-270M	27	±20%	2.97	3.55	0.040	0.051
SDRH1260-330M	33	±20%	2.68	3.0	0.049	0.057
SDRH1260-390M	39	±20%	2.49	2.74	0.057	0.068
SDRH1260-470M	47	±20%	2.21	2.6	0.072	0.075
SDRH1260-560M	56	±20%	2.01	2.35	0.087	0.110
SDRH1260-680M	68	±20%	1.91	2.19	0.096	0.120
SDRH1260-820M	82	±20%	1.65	1.88	0.129	0.140
SDRH1260-101M	100	±20%	1.53	1.70	0.150	0.160
SDRH1260-121M	120	±20%	1.30	1.56	0.159	0.170
SDRH1260-151M	150	±20%	1.21	1.43	0.185	0.230

Part No	Inductance (μ H)	Tolerance	Temperature Rise Current (A)	Saturation Current (A)	DCR Typ (Ω)	DCR Max. (Ω)
SDRH1260-181M	180	$\pm 20\%$	1.06	1.24	0.242	0.29
SDRH1260-221M	220	$\pm 20\%$	0.96	1.2	0.29	0.4
SDRH1260-271M	270	$\pm 20\%$	0.89	1.0	0.338	0.46
SDRH1260-331M	330	$\pm 20\%$	0.78	0.97	0.442	0.51
SDRH1260-391M	390	$\pm 20\%$	0.68	0.85	0.59	0.69
SDRH1260-471M	470	$\pm 20\%$	0.64	0.8	0.66	0.77
SDRH1260-561M	560	$\pm 20\%$	0.62	0.7	0.69	0.86
SDRH1260-681M	680	$\pm 20\%$	0.55	0.68	0.88	1.2
SDRH1260-821M	820	$\pm 20\%$	0.51	0.6	1.025	1.34
SDRH1260-102M	1000	$\pm 20\%$	0.43	0.5	1.43	1.53

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 $\Delta T=40^{\circ}\text{C}$.