

SDR Series

SMD Power Inductor

Size 1054



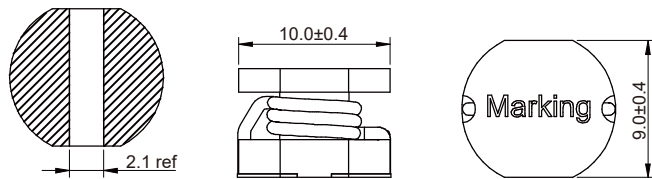
FEATURES

Open size;
Low tolerances at high inductance values;
Packing quantity: 800 pcs/reel ;

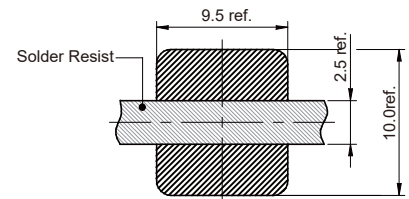
APPLICATIONS

Integrated DC/DC-converter;
Switching regulators with low operating voltages;
Optimal attenuation in MHz frequency range;

Dimensions: [mm]



Land Patterns: [mm]



Electrical Properties:

Part No	Inductance (μ H)	Tolerance	Saturation Current (A)	DCR Typ (Ω)	DCR Max. (Ω)
SDR1054-1R2M	1.2	± 20	11.0	0.004	0.006
SDR1054-2R2M	2.2	± 20	8.0	0.007	0.01
SDR1054-3R3M	3.3	± 20	7.0	0.009	0.015
SDR1054-4R7M	4.7	± 20	6.0	0.012	0.017
SDR1054-5R6M	5.6	± 20	5.5	0.015	0.019
SDR1054-6R8M	6.8	± 20	5.0	0.016	0.022
SDR1054-8R2M	8.2	± 20	4.25	0.02	0.026
SDR1054-100M	10	± 20	3.24	0.028	0.06
SDR1054-120K	12	± 10	3.15	0.033	0.07
SDR1054-150K	15	± 10	2.88	0.034	0.08
SDR1054-180K	18	± 10	2.43	0.043	0.09
SDR1054-220K	22	± 10	2.07	0.051	0.10
SDR1054-270K	27	± 10	1.98	0.063	0.11
SDR1054-330K	33	± 10	1.89	0.083	0.12
SDR1054-390K	39	± 10	1.8	0.098	0.14
SDR1054-470K	47	± 10	1.62	0.095	0.17
SDR1054-560K	56	± 10	1.53	0.112	0.19
SDR1054-680K	68	± 10	1.49	0.138	0.22
SDR1054-820K	82	± 10	1.17	0.15	0.25
SDR1054-101K	100	± 10	1.1	0.2	0.35
SDR1054-121K	120	± 10	0.99	0.243	0.4
SDR1054-151K	150	± 10	0.9	0.3	0.47
SDR1054-181K	180	± 10	0.78	0.32	0.63
SDR1054-221K	220	± 10	0.77	0.451	0.73
SDR1054-271K	270	± 10	0.68	0.5	0.97
SDR1054-331K	330	± 10	0.59	0.75	1.15

Part No	Inductance (μ H)	Tolerance	Saturation Current (A)	DCR Typ (Ω)	DCR Max. (Ω)
SDR1054-391K	390	± 10	0.54	0.794	1.3
SDR1054-471K	470	± 10	0.5	0.969	1.48
SDR1054-561K	560	± 10	0.47	1.047	1.9
SDR1054-681K	680	± 10	0.43	1.245	2.25
SDR1054-821K	820	± 10	0.41	1.42	2.55
SDR1054-102K	1000	± 10	0.38	2.2	2.6
SDR1054-122K	1200	± 10	0.38	2.48	3.0
SDR1054-222K	2200	± 10	0.26	4.4	5.3

Operating Temperature : -40 C ~+125 C

Saturation current will cause L to drop approximately 10% .