

SDR Series

SMD Power Inductor

Size 7850



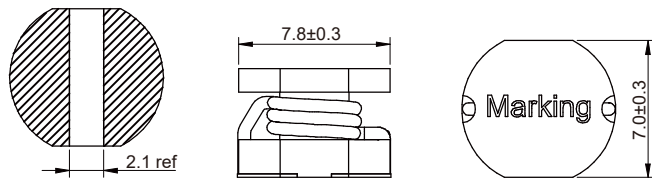
FEATURES

Open size;
Low tolerances at high inductance values;
Packing quantity: 1000 pcs/reel ;

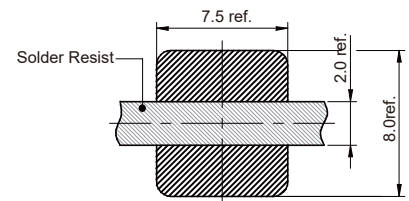
APPLICATIONS

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)
SDR7850-2R2M	2.2	± 20	6.0	0.008	0.015
SDR7850-3R3M	3.3	± 20	4.9	0.012	0.018
SDR7850-4R7M	4.7	± 20	4.5	0.016	0.019
SDR7850-5R6M	5.6	± 20	4.0	0.018	0.022
SDR7850-6R8M	6.8	± 20	3.8	0.022	0.026
SDR7850-8R2M	8.2	± 20	3.2	0.029	0.04
SDR7850-100K	10	± 10	2.95	0.044	0.07
SDR7850-120K	12	± 10	2.2	0.042	0.08
SDR7850-150K	15	± 10	2.23	0.044	0.09
SDR7850-180K	18	± 10	2.14	0.053	0.1
SDR7850-220K	22	± 10	1.81	0.065	0.11
SDR7850-270K	27	± 10	1.62	0.074	0.12
SDR7850-330K	33	± 10	1.47	0.089	0.13
SDR7850-390K	39	± 10	1.33	0.116	0.16
SDR7850-470K	47	± 10	1.24	0.134	0.18
SDR7850-560K	56	± 10	1.14	0.189	0.24
SDR7850-680K	68	± 10	1.05	0.218	0.28
SDR7850-820K	82	± 10	0.95	0.248	0.37
SDR7850-101K	100	± 10	0.86	0.208	0.43
SDR7850-121K	120	± 10	0.81	0.308	0.47
SDR7850-151K	150	± 10	0.71	0.467	0.64
SDR7850-181K	180	± 10	0.57	0.574	0.71
SDR7850-221K	220	± 10	0.56	0.614	0.96
SDR7850-271K	270	± 10	0.51	0.699	1.11
SDR7850-331K	330	± 10	0.48	0.81	1.26
SDR7850-391K	390	± 10	0.43	1.151	1.77
SDR7850-471K	470	± 10	0.38	1.37	1.96
SDR7850-102K	1000	± 10	0.3	2.78	3.3

Operating Temperature : -40°C ~ +125°C

Saturation current will cause L to drop approximately 10% .