

BR Series

SMD Power Inductor

Size 1970



FEATURES

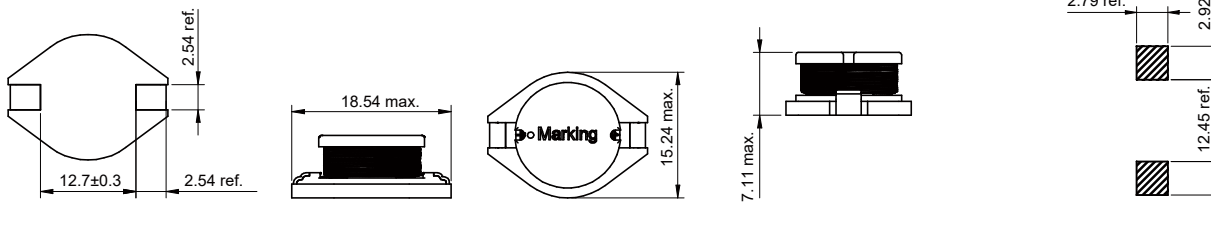
Application frequency range up to 10MHz;
 Compact Size;
 Low-loss ferrite core;
 Recommended solder profile: Reflow;

APPLICATIONS

Noise suppression;
 Perfectly suitable for switching regulators;

Dimensions: [mm]

Land Patterns: [mm]



Electrical Properties:

Part No	Inductance (μ H)	Tolerance	Saturation Current (A)	DCR Typ (Ω)	DCR Max. (Ω)
BR1970-1R0M	1.0	$\pm 20\%$	25.0	0.005	0.009
BR1970-2R2M	2.2	$\pm 20\%$	20.3	0.008	0.014
BR1970-3R3M	3.3	$\pm 20\%$	15.8	0.01	0.018
BR1970-5R6M	5.6	$\pm 20\%$	13.1	0.012	0.02
BR1970-100M	10	$\pm 20\%$	10.0	0.021	0.031
BR1970-150M	15	$\pm 20\%$	8.0	0.03	0.036
BR1970-220M	22	$\pm 20\%$	7.0	0.043	0.047
BR1970-330M	33	$\pm 20\%$	5.5	0.06	0.066
BR1970-470M	47	$\pm 20\%$	4.5	0.076	0.086
BR1970-680M	68	$\pm 20\%$	3.6	0.11	0.13
BR1970-101M	100	$\pm 20\%$	3.4	0.141	0.19
BR1970-151M	150	$\pm 20\%$	2.7	0.21	0.25
BR1970-221M	220	$\pm 20\%$	2.4	0.326	0.38
BR1970-331M	330	$\pm 20\%$	1.9	0.431	0.56
BR1970-471M	470	$\pm 20\%$	1.6	0.633	0.85
BR1970-681M	680	$\pm 20\%$	1.3	0.954	1.10
BR1970-102M	1000	$\pm 20\%$	1.1	1.370	1.80

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

Saturation current will cause L to drop approximately 10% .