

SMD Power Inductor

Features

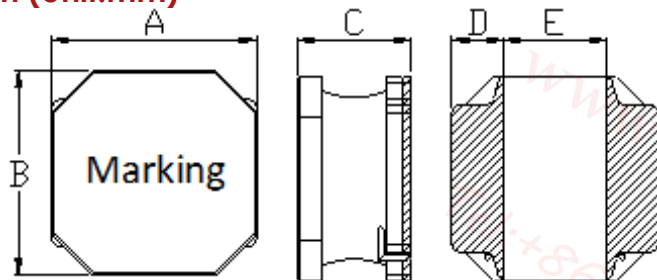
- ▶ Small and Low profile inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Takes up less PCB real estate and save more power
- ▶ Available tape and reel for auto insertion.
- ▶ RoHs compliant
- ▶ Halogen-Free



Applications

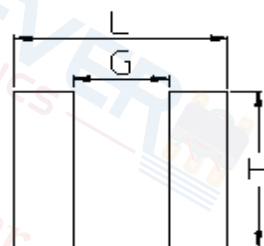
- ▶ For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

Dimension (Unit:mm)



A	B	C	D	E
3.0±0.2	3.0±0.2	1.0 Max.	0.75±0.2	1.5±0.2

Land Pattern (Unit:mm)



L	G	H
3.1	1.5	2.7

Specifications 【Inductance Tested at 100kHz, 1Vrms (20 ° c)】

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	IDC1 (A) Max.	IDC2 (A) Max.	SRF (Min) (MHz)
EPNR3010-1R0N	1.0	30%	65	1.40	1.45	180
EPNR3010-1R2N	1.2	30%	65	1.25	1.45	137
EPNR3010-1R5N	1.5	30%	80	1.27	1.30	120
EPNR3010-2R2N	2.2	30%	110	1.15	1.09	100
EPNR3010-2R7N	2.7	30%	130	1.00	1.02	90
EPNR3010-3R3N	3.3	30%	145	0.97	0.96	74
EPNR3010-3R6M	3.6	20%	165	0.95	0.90	67
EPNR3010-4R7M	4.7	20%	225	0.75	0.77	59
EPNR3010-6R8M	6.8	20%	305	0.55	0.66	42
EPNR3010-100M	10	20%	400	0.55	0.58	39
EPNR3010-120M	12	20%	505	0.43	0.52	36
EPNR3010-150M	15	20%	610	0.42	0.47	30
EPNR3010-220M	22	20%	930	0.35	0.38	28
EPNR3010-270M	27	20%	1080	0.30	0.35	25
EPNR3010-330M	33	20%	1550	0.29	0.30	18
EPNR3010-390M	39	20%	1750	0.28	0.28	18
EPNR3010-430M	43	20%	1800	0.23	0.27	18
EPNR3010-470M	47	20%	1950	0.22	0.26	18
EPNR3010-510M	51	20%	2200	0.21	0.25	18
EPNR3010-560M	56	20%	2320	0.21	0.24	16