

SMD Power Inductor



Features

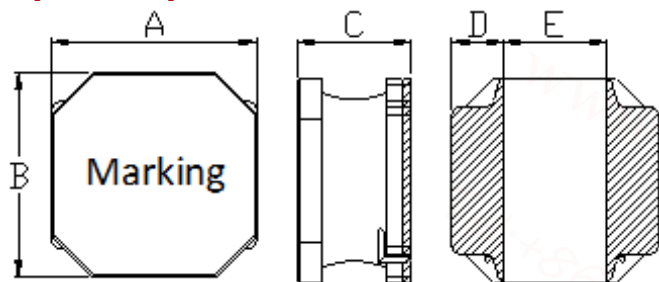
- ▶ Small and Low profile inductor
- ▶ It corresponds to High current.
- ▶ Simple and Shield structure.
- ▶ Takes up less PCB real estate and save more power
- ▶ Available tape and reel for auto insertion.
- ▶ RoHs compliant
- ▶ Halogen-Free



Applications

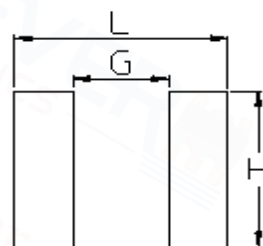
- ▶ For small DC/DC converter (cellular Phone, LCD/LED/OLED display etc).

Dimension (Unit:mm)



A	B	C	D	E
6.0±0.3	6.0±0.3	2.8 Max.	1.7±0.3	2.6±0.3

Land Pattern (Unit:mm)



L	G	H
6.0	2.4	5.7

Specifications [Inductance Tested at 100kHz, 1Vrms (20°c)]

Part Number	Inductance (μH)	Tolerance (±)	DCR (mΩ) ±30%	I _{sat} (A) Max.	I _{temp} (A) Max.	SRF (Min) (MHz)
EPNR6028-1R0N	1.0	30%	12	6.00	5.20	70
EPNR6028-1R5N	1.5	30%	15	5.75	4.58	65
EPNR6028-1R8N	1.8	30%	17	5.50	4.20	60
EPNR6028-2R2N	2.2	30%	20	5.10	3.75	48
EPNR6028-2R7N	2.7	30%	20	4.15	3.75	48
EPNR6028-3R3N	3.3	30%	25	3.80	3.48	41
EPNR6028-4R7N	4.7	30%	30	3.00	3.08	35
EPNR6028-6R8M	6.8	20%	47	2.60	2.40	27
EPNR6028-100M	10	20%	72	2.04	1.95	23
EPNR6028-120M	12	20%	80	1.80	1.85	18
EPNR6028-150M	15	20%	120	1.75	1.45	18
EPNR6028-180M	18	20%	125	1.52	1.45	15
EPNR6028-220M	22	20%	140	1.45	1.40	14
EPNR6028-330M	33	20%	185	1.35	1.22	12
EPNR6028-470M	47	20%	315	1.15	1.06	9.5
EPNR6028-680M	68	20%	360	0.80	0.86	7.7
EPNR6028-820M	82	20%	500	0.80	0.70	7.7
EPNR6028-101M	100	20%	500	0.65	0.70	7.1
EPNR6028-102M	1000	20%	5800	0.18	0.20	1.5