

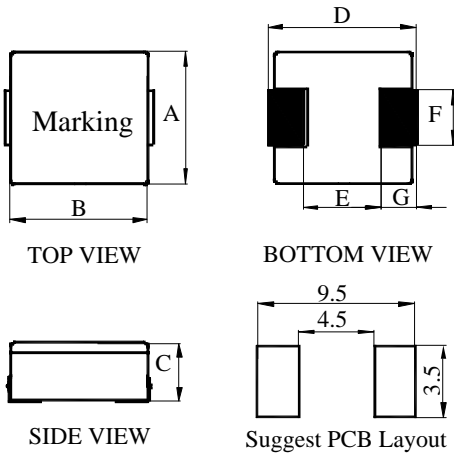


SC3013 Series SMD Power Inductor



Features:

- 0.30" foot print SMD high current inductor.
- Low profile - 3.5 mm Max. height.
- Ideal for DC to DC converter. VRM & high density board design.
- Low leakage flux, shielded inductor design.
- Suitable for IR reflow and wave solder process.
- Tape & Reel Quantity - 1450 pcs.



Electrical Specifications							
Part Number	L ± 20% (μH)	DCR ± 7% (mΩ)	I _{rms} (Amp)	L @ I _{rms} (μH)	I _{max} (Amp)	L @ I _{max} (μH)	D Max (mm)
SC3013-R10M	0.11	0.45	35.0	0.09	49.0	0.07	8.9
SC3013-R27M	0.27	1.13	23.0	0.21	33.0	0.19	8.9
SC3013-1R2M	1.22	5.70	13.0	0.95	17.5	0.82	8.3

Note:

1. Test condition: 300 kHz, 0.1 V, 25 °C.
2. I_{rate}: DC current rating at 40° C temperature raise (typical).
3. I_{max}: DC Current rating at 100°C temperature raise (typical).
4. Operating temperature: -40 °C ~150 °C.

Mechanical Dimensions (Unit: mm)						
A	B	C	D	E	F	G
± 0.3	± 0.3	Max.	Max.	Ref.	Ref.	Ref.
7.4	7.4	3.5	See Table Above	5.2	2.8	1.3

