

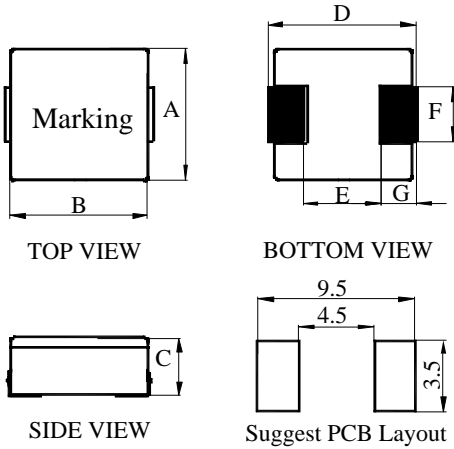


# SC3011 Series SMD Power Inductor



## Features:

- 0.30" foot print SMD high current inductor.
- Low profile - 3.0 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 - 1700 pcs.



Electrical Specifications							
Part Number	L ± 20% (μH)	DCR ± 7% (mΩ)	I <sub>rms</sub> (Amp)	L @ I <sub>rms</sub> (μH)	I <sub>max</sub> (Amp)	L @ I <sub>max</sub> (μH)	D Max (mm)
SC3011-R10M	0.11	0.63	32.0	0.09	46.0	0.07	9.3
SC3011-R30M	0.30	2.10	23.0	0.24	34.0	0.20	8.9
SC3011-R56M	0.56	3.70	15.0	0.44	26.5	0.37	8.9
SC3011-R92M	0.91	7.00	13.0	0.73	18.0	0.65	8.3
SC3011-1R3M	1.35	8.45	12.0	1.06	17.0	0.93	8.3

## Note:

1. Test condition: 300 kHz, 0.1 V, 25 °C.
2. I<sub>rate</sub>: DC current rating at 40° C temperature raise (typical).
3. I<sub>max</sub>: 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	3.0	See Table Above	5.2	2.8	1.3

