

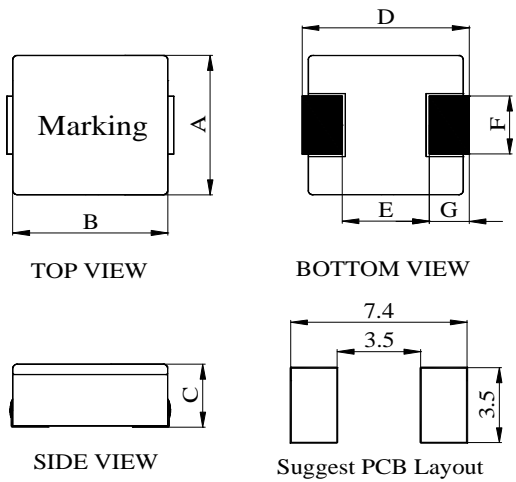
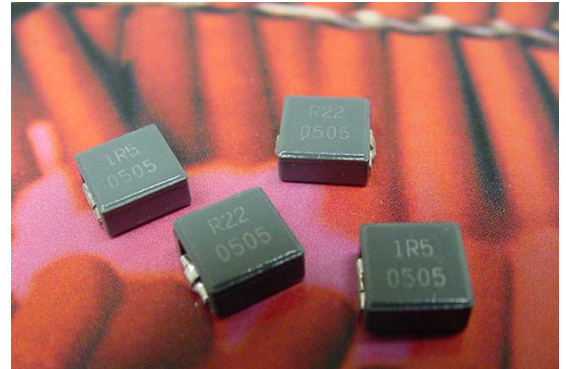


# SC2515 Series SMD Power Inductor



## Features:

- Low profile 4.0 mm max. height SMD power inductor.
- Ideal for DC to DC converter, VRM & high density board design.
- Operating up to 3 MHz application.
- Low leakage flux. Rohs and Halogen Free Compliance.
- Operating temperature: -55 °C ~ +150 °C.
- Suitable for IR reflow and wave solder process.
- Tape & Reel Qty: 1300 pcs per reel.



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)
SC2515-R47MHF	0.47	1.88	23.0	0.32	30.0	0.29
SC2515-R68MHF	0.68	2.42	20.0	0.45	27.4	0.40
SC2515-1R0MHF	1.00	4.00	19.0	0.66	25.0	0.57
SC2515-1R5MHF	1.50	6.00	13.0	1.01	20.0	0.81
SC2515-3R0MHF	3.00	13.40	9.0	2.15	13.5	1.75
SC2515-5R0MHF	5.00	34.30	5.3	4.10	7.3	3.70

Mechanical Dimensions (Unit: mm)						
A	B	C	D	E	F	G
± 0.30	± 0.30	Max.	Max.	Ref.	Ref.	Ref.
6.50	6.50	4.00	7.80	4.50	2.80	1.30

## Note:

1. Inductance measurement condition 300 KHz, 0.25V, 25°C.
2. I<sub>rms</sub>: DC current rating at 40 °C temperature raise (typical).
3. I<sub>max</sub>: DC current rating at 100 °C temperature raise (typical).

