

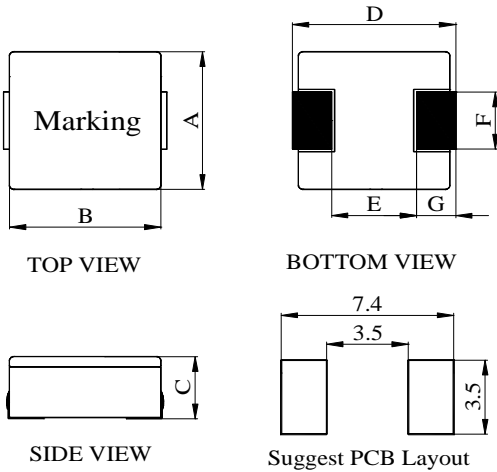
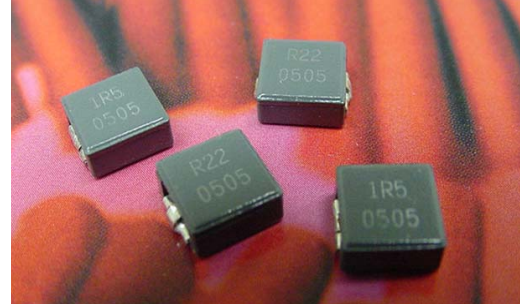


SC2511 Series SMD Power Inductor



Features:

- Low profile 3mm max. height SMD power inductor.
- 0.25" foot print, 6.8 x 6.8 mm Max.
- 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.
- T&R Quantity: 1500 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)
SC2511-R10MHF	0.10	1.00	23.0	0.09	39.0	0.07
SC2511-R22MHF	0.22	1.50	20.5	0.20	35.0	0.17
SC2511-R47MHF	0.47	2.60	16.0	0.27	28.0	0.22
SC2511-R72MHF	0.72	4.20	14.0	0.58	22.0	0.44
SC2511-1R0MHF	1.00	8.00	12.0	0.84	16.5	0.75
SC2511-1R5MHF	1.50	9.25	11.0	1.15	15.0	1.02
SC2511-2R2MHF*	2.20	23.40	6.0	2.00	8.2	1.90
SC2511-3R3MHF*	3.30	30.50	5.3	3.10	7.0	2.85
SC2511-4R7MHF*	4.70	41.50	4.5	4.30	6.5	3.70
SC2511-8R2MHF*	8.20	87.00	2.6	6.98	3.6	6.42
SC2511-100MHF*	10.00	106.50	2.4	9.40	3.4	8.60

Note:

1. Test condition: 300 kHz, 0.25 V, 25 °C.
2. I_{rms}: DC current rating at 40 °C temp. raise.
3. I_{max}: DC current rating with max of 100 °C temp. raise.
4. * DCR Tolerance at 10% for 2R2, 3R3, 4R7, 100M.

Mechanical Dimensions (Unit: mm)						
A	B	C	D	E	F	G
± 0.3	± 0.3	Max.	Max.	Ref.	Ref.	Ref.
6.5	6.5	3.0	7.4	4.5	2.8	1.3

SC2511 Family DC Bias Curve

