

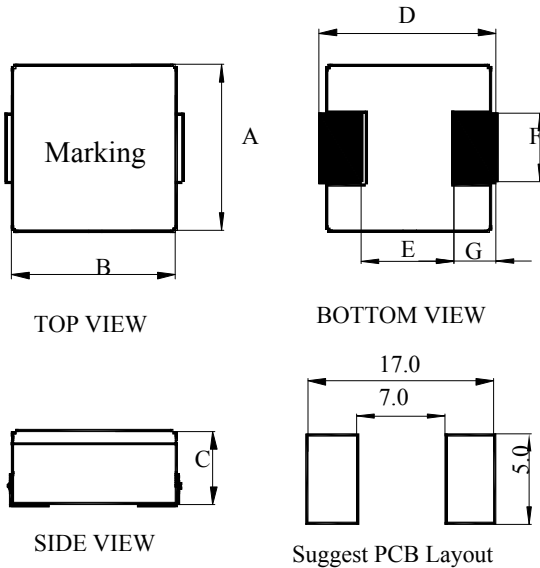


SC6020 & SC6027 Series SMD High Power Inductor



Features:

- 0.60" Package
- Ideal for DC to DC converter; VRM & high density board design
- Low leakage flux, shielded inductor design
- Low profile
- Suitable for IR reflow and wave solder process



Electrical Specifications						
Part Number	L $\pm 20\%$ (μH)	DCR $\pm 7\%$ ($\text{m}\Omega$)	I _{rate} (Amp)	L @ I _{rate} (μH)	I _{max} (Amp)	L @ I _{max} (μH)
SC6020-R33M	0.33	0.58	40.0	0.32	60.0	0.29
SC6027-1R5M	1.50	1.30	24.0	1.26	38.0	1.12
SC6027-2R2M	2.20	2.60	17.0	2.05	26.0	1.85
SC6027-3R3M	3.30	3.16	15.0	3.00	23.0	2.70
SC6027-4R7M	4.80	3.74	14.0	4.00	22.0	3.57
SC6027-6R5M	6.50	5.90	12.0	5.40	20.0	4.70
SC6027-8R2M	8.20	7.62	10.0	7.00	19.0	5.80
SC6027-100M	10.00	8.17	9.5	8.60	18.5	7.00
SC6027-190M	19.00	13.5	7.0	14.40	11.0	12.90

Mechanical Dimension (Unit: mm)								
Part Number	A Max.	B Max.	C Max.	D Max.	E Ref.	F Ref.	G Max.	T&R Qty
SC6027-xxx	15.6	15.6	7.0	16.0	9.2	3.3	3.4	450
SC6020-xxx	15.6	15.6	5.0	16.0	9.2	3.3	3.4	550

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).

