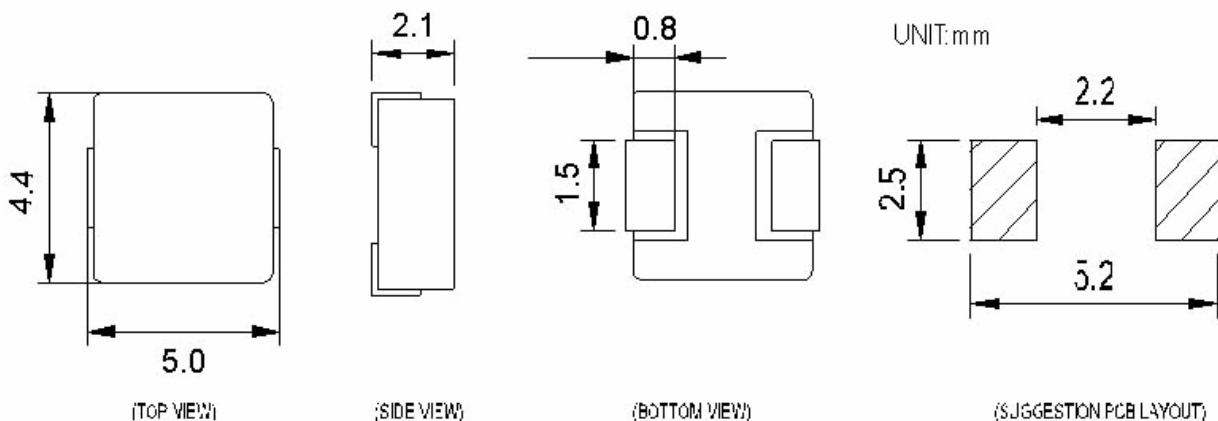
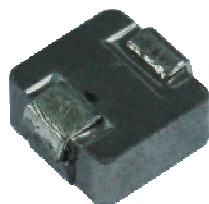


## SMD Power Inductors SM042 Series



SM042 Series ,Ultra low cost,Shielded construction,High current rating up to DC 65Amp,High frequency range up to 5MHz,Very low DC resistance,Low Noise,RoHS compliant.

Mainly used by PDA/Notebook/Desktop/Server applications, DC/DC converter.



Part Number	Inductance (uH) ±20%	DCR(mΩ)		Isat DC Current (A)	Irms DC Current (A)
		Typical	MAX	Typical	Typical
SM042-R10M-R-S	0.10	3.5	4.0	22.0	12.0
SM042-R22M-R-S	0.22	6.0	6.6	12.5	9.0
SM042-R47M-R-S	0.47	12.5	14.0	9.5	7.0
SM042-R56M-R-S	0.56	13.0	14.5	9.0	6.0
SM042-1R0M-R-S	1.00	24.0	27.0	7.0	4.5
SM042-1R5M-R-S	1.50	38.0	46.0	6.0	4.0
SM042-2R2M-R-S	2.20	52.0	58.0	5.0	3.0
SM042-3R3M-R-S	3.30	74.0	87.0	4.0	2.5

- <1>Inductance: 100KHz 0.1V
- <2>Tolerance of inductance: ±20%
- <3>Isat: The value of current indicates that inductance drops 20% (Typical) from its initial value
- <4>Irms: The value of current indicates that the temperature of the coil is increase 40°C (Typical)
- <5>Test condition : Ta= 25°C

Packing :  
Reel size: 16mm  
Quantity: 2000 PCS/Reel

Special inquiries besides the above common used types can be met on your requirement.

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