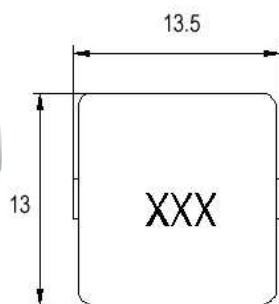
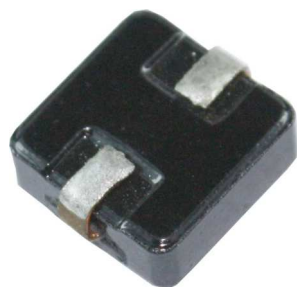


SMD Power Inductors SFN1255 Series

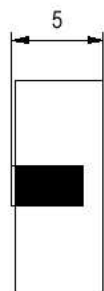


SFN1255 Series ,Miniature size: 12.5mm square 6.0mm max Height,Low DC resistance: Flat wire designed,High magnetic shield construction ,RoHS compliant

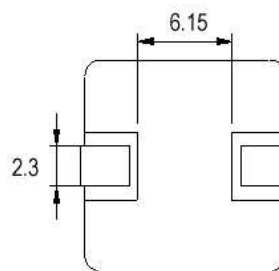
Mainly used by Automotive application(SRS AIR BAG,TRANSMISSION CONTROL.POWER STEERING,CONTROL.BRAKE CONTROL,Notebook.Computer.Motherboard.



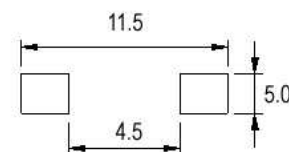
(Top View)



(Side View)



(Bottom View)



SUGGESTION PCB LAYOUT

Sample:XXX-1R0

PART NO	L(uH)	DCR max (mΩ)	IDC max (A)	TEST FREQ. (Hz)
SFN1256H-1R0N-R-S	1.0	3.3	25	100
SFN1256H-1R9N-R-S	1.9	4.3	24	100
SFN1256H-2R7N-R-S	2.7	5.4	22	100
SFN1256H-3R5N-R-S	3.5	6.2	18	100
SFN1256H-4R2N-R-S	4.2	8.8	18	100
SFN1256H-5R6N-R-S	5.6	10.0	16	100
SFN1256H-7R8N-R-S	7.8	12.2	14	100

1. Inductance tested at 100KHz, 0.1V;
2. SRF > 13MHz measured using Agilent / HP8753D network Analyzer;
3. Inductance drop = 10% typ. at rated Isat;
4. ΔT = 40°C rise typ. at Irms;
5. Operating temperature range -40°C to +125°C;
6. Electrical specifications at +25°C;

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

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