

RoHS
Compliant



Specifications:

Inductance	: 47 μ H
Inductance Tolerance	: $\pm$ 20%
DC Resistance Max	: 0.097 Ω
DC Current Rating	: 3A
Inductor Case Style	: SMD
No. of Pins	: 2
Lead Spacing	: 12.7mm
External Depth	: 7.62mm
External Length / Height	: 18.54mm
External Width	: 15.24mm
Series	: MCB

Electrical Characteristics (at 25°C)

100kHz 0.25V	L	47 μ H $\pm$ 20%
at 25°C	DCR	97m Ω (Max.)
100kHz 0.1V I _{rms} = 2.8A	L at I _{rms}	Δ T40°C (Maximum)

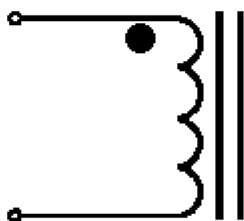
Operating temperature: -55°C to +130°C

Note: I_{rms} Temperature Rise 40°C

Material List

No.	Item	Material Description
1	Core	N5D DR9.7 $\times$ 5.8 N5D RI12.7 $\times$ 5.7 $\times$ 10.8
2	Wire	$\varnothing$ 0.32mm $\times$ 2P 2UEWF 155°C
3	Solder (Lead Free)	Sn99.3%/Cu0.7%
4	Glue	TH320D / TH320-3
5	Base	C1270+03009-1 DAP

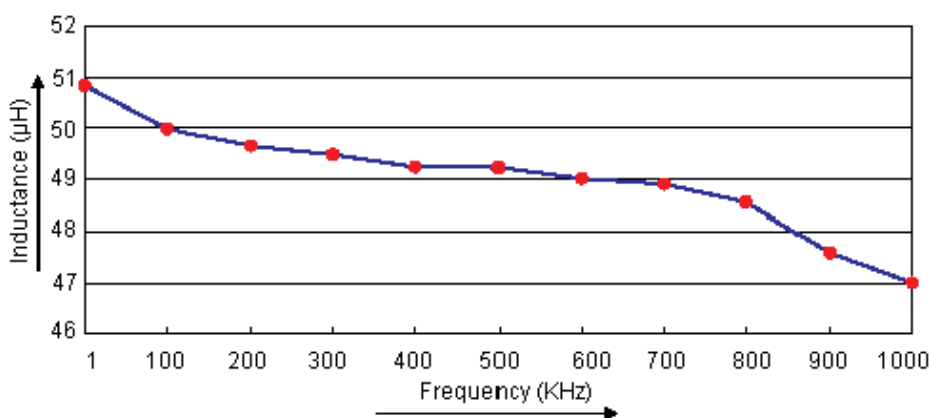
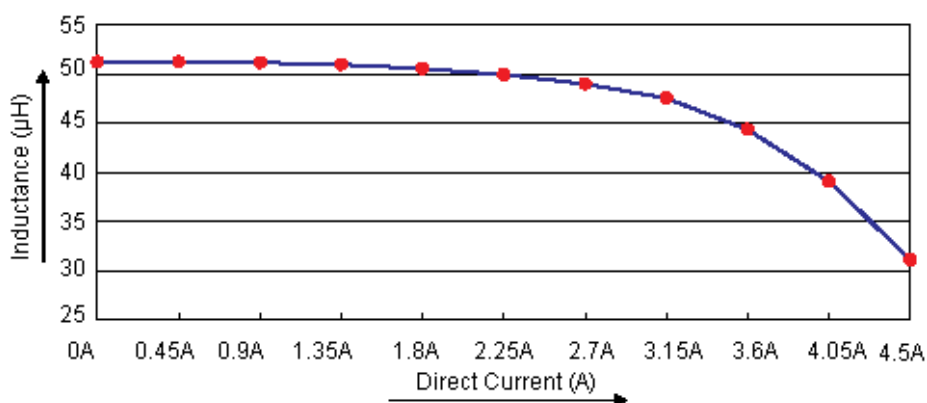
Schematic Diagram



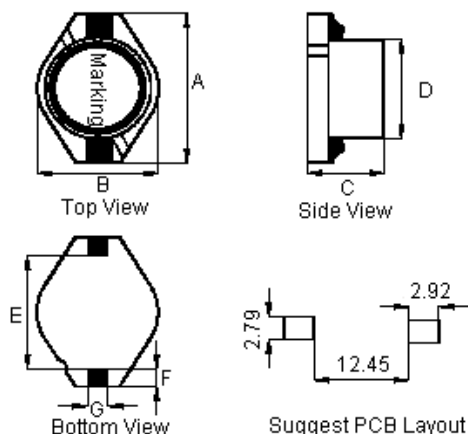
Note:

1. Wire $\varnothing 0.32\text{mm} \times 2\text{P}$ 2UEWF 155°C
2. 27.5TS (Reference)

Electric Characteristics



Configurations and Dimensions



A	18.54mm	(Maximum)
B	15.24mm	(Maximum)
C	7.62mm	(Maximum)
D	12.7 ±0.3mm	-
E	12.7mm	(Reference)
F	2.54mm	(Reference)
G	2.54mm	(Reference)

Dimensions : Millimetres

Part Number Table

Description	Part Number
Inductor, 47µH, 20%, SMD	MCBFS7330-470MU

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