

RoHS
Compliant



Specifications:

Inductance	: 47 μ H
Inductance Tolerance	: $\pm$ 20%
DC Resistance Max	: 0.066 Ω
DC Current Rating	: 3A
Self Resonant Frequency	: 8MHz
Inductor Case Style	: SMD
No. of Pins	: 2
Lead Spacing	: 12.92mm
External Depth	: 7.11mm
External Length / Height	: 15.24mm
External Width	: 18.54mm
Series	: MCB

Electrical Characteristics (at 25°C)

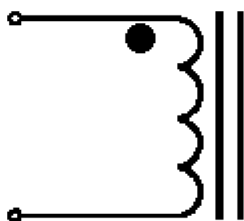
100kHz 0.25V	L	47 μ H $\pm$ 20%
at 25°C	DCR	66m Ω (Max.)
100kHz 0.25V I _{rms} = 3A	Δ T	Temperature Rise 40°C (Max.)

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

Material List

No.	Item	Material Description
1	Core	T2 DR12.7 $\times$ 5.6C B5.8 F3.3
2	Wire	$\varnothing$ 0.45mm $\times$ 1P 2UEWF 155°C
3	Solder (Lead Free)	Sn99.3%/Cu0.7%
4	Glue	TH320
5	Base	DAP HD127-3

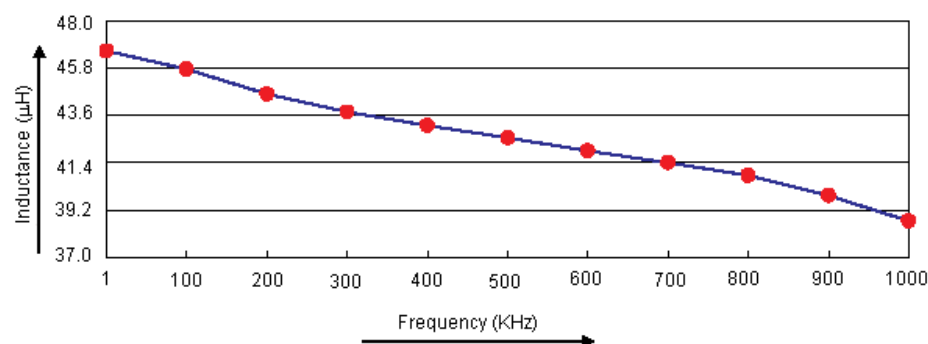
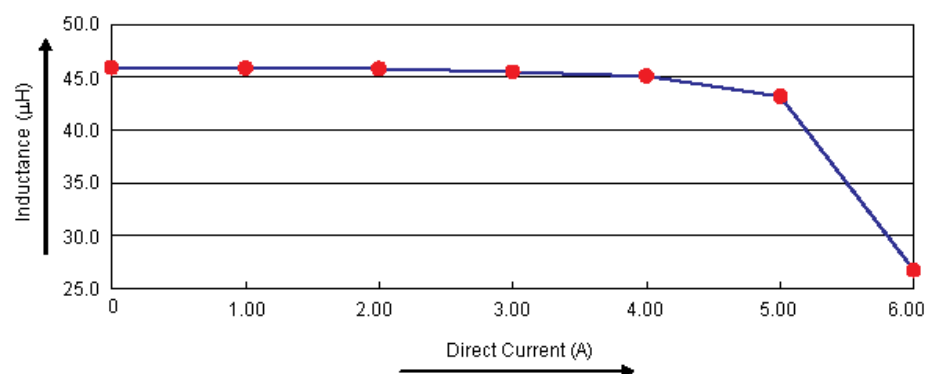
Schematic Diagram



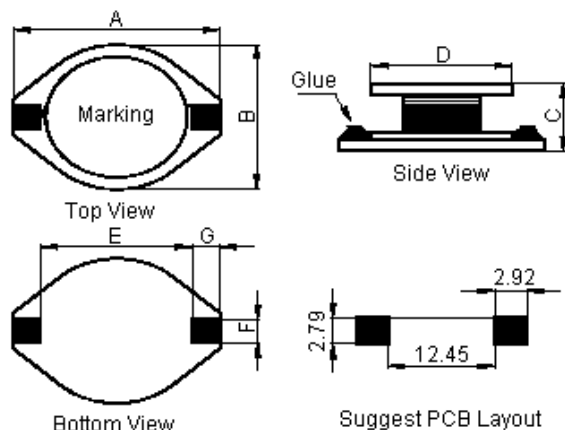
Note:

1. Wire $\varnothing 0.45\text{mm} \times 1\text{P}$ 2UEWF 155°C
2. 25.5TS (Reference)

Electric Characteristics



Configurations and Dimensions



A	18.54mm	(Maximum)
B	15.24mm	(Maximum)
C	7.11mm	(Maximum)
D	12.7 ±0.3mm	-
E	12.92mm	(Reference)
F	2.54mm	(Reference)
G	2.54mm	(Reference)

Dimensions : Millimetres

Part Number Table

Description	Part Number
Inductor, 47µH, 20%, SMD	MCBF7330-470MU

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