



## Specifications:

Inductance	: 75nH
Inductance Tolerance	: ± 20%
DC Resistance Max	: 605μΩ
DC Current Rating	: 26A
Inductor Case Style	: SMD
No. of Pins	: 2
Lead Spacing	: 3mm
External Depth	: 10mm
External Length / Height	: 4mm
External Width	: 10mm
Resonant Frequency	: 300kHz
Series	: SC

## Electrical Characteristics

300KHz 0.25V	L	0.15μH ±20%
Ta 25°C	DCR	0.61mΩ ±7%
300KHz 0.25V I <sub>rms</sub> = 27A (Max.)	L at I <sub>rms</sub>	0.149μH (Reference)
300KHz 0.25V I <sub>max</sub> = 51A (Maximum)	L at I <sub>max</sub>	0.14μH (Reference)

Operating temperature: -40°C to +150°C

### Note:

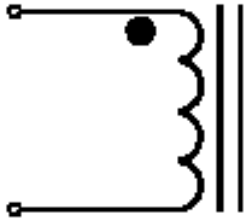
I<sub>rms</sub> : DC current rating at 40°C surface temperature raise (typical)

I<sub>max</sub> : DC current rating at 100°C surface temperature raise (typical)

## Material List

No.	Item	Material Description
1	Core	SMX250/105-SF56Q-GT; SPX145/090-SF56Q-GT
2	Wire	FW055200039001T5-A18
3	Winding	1.5TS
4	Taping	SC4015 800Pieces/Reel
5	Marking	R15 YYWW

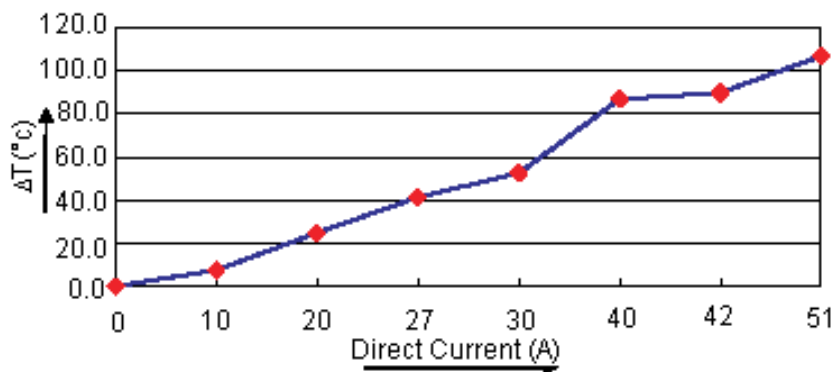
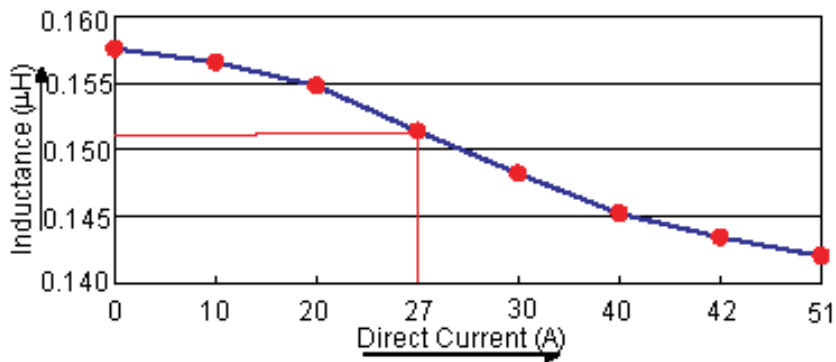
## Schematic Diagram



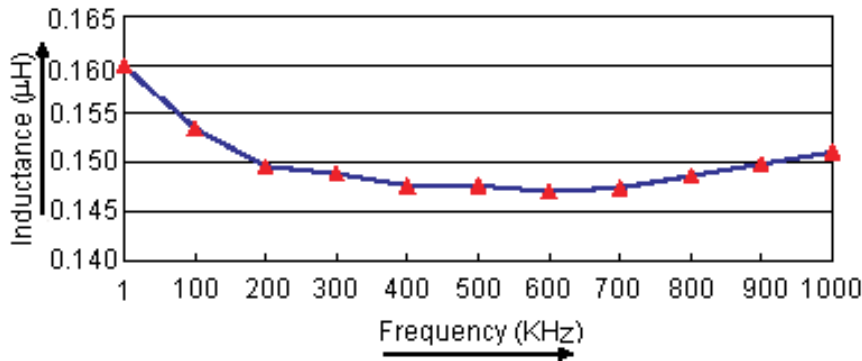
### Note:

1. Wire FW055200039001T5-A18
2. 1.5TS

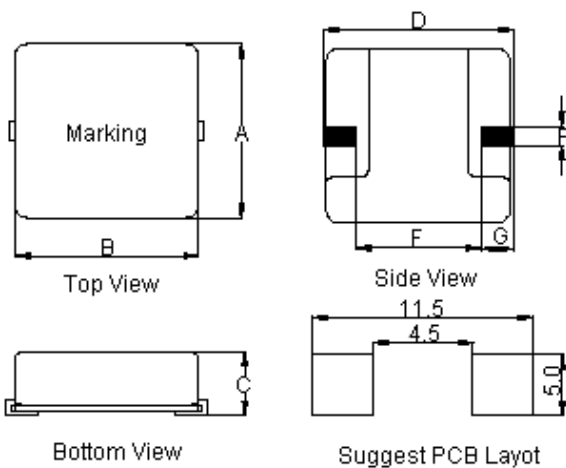
## Electric Characteristics



## Electric Characteristics



## Configurations and Dimensions



A	10 ±0.4mm	-
B	10 ±0.4mm	-
C	4.3mm	Maximum
D	11mm	
E	5.2mm	Reference
F	3mm	
G	2.35mm	

Marking: R15

1. The long pin is the beginning of winding. YYWW

Dimensions : Millimetres

## Part Number Table

Description	Part Number
Inductor, 0.15µH, 20%, 26A	MCSC4015-R15MU

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