

RoHS
Compliant



Specifications:

Inductance	: 15 μ H
Inductance Tolerance	: \pm 20%
DC Resistance Max	: 0.18 Ω
DC Current Rating	: 930mA
Self Resonant Frequency	: 28MHz
Inductor Case Style	: SMD
No. of Pins	: 2
Core Material	: Ferrite
External Depth	: 3.9mm
External Length / Height	: 1.8mm
External Width	: 5.8mm
Resonant Frequency	: 1kHz
Series	: SDC603

Electrical Characteristics (at 25°C)

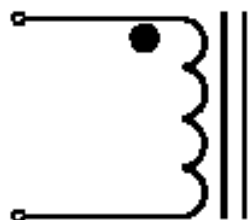
1kHz 1V	L	15 μ H \pm 20%
at 25°C	DCR	180m Ω (Max.)
1kHz 1V I _{rms} = 0.93A	Δ T	Temperature Rise 40°C (Max.)

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

Material List

No.	Item	Material Description
1	Core	K22 DRM 5.6 \times 3.6 RB-R B2.2 F1.5
2	Wire	\varnothing 0.23mm \times 1P 2UEF1/U 155°C
3	Solder (Lead Free)	Sn99.3%/Cu0.7%

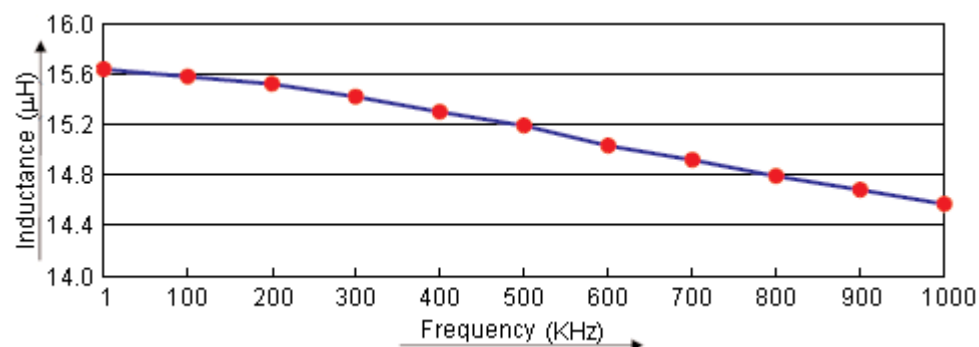
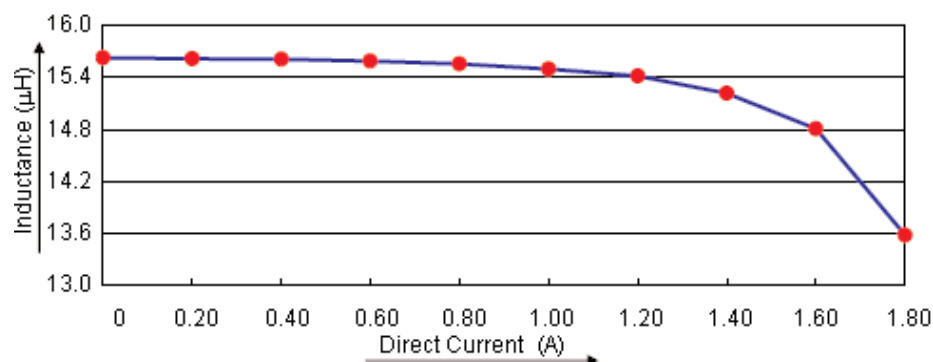
Schematic Diagram



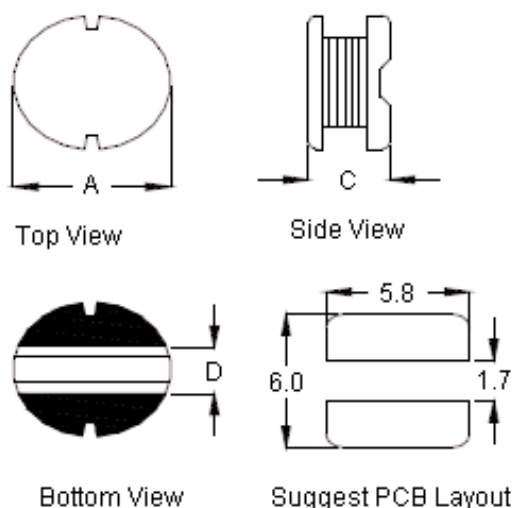
Note:

1. Wire Ø0.2mm x 1P 2UEF1/U 155°C
2. 24.5TS (Reference)

Electric Characteristics



Configurations and Dimensions



A	5.8mm	(Max.)
C	3.9mm	(Max.)
C	1.8mm	(Reference)

Dimensions : Millimetres

Part Number Table

Description	Part Number
Inductor, 15μH, 20%, SMD	MCSDC0603-150MU

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