Inductor

multicomp PRO

RoHS Compliant

Specifications:

Inductance	: 330µH
Inductance Tolerance	: ± 10%
DC Resistance Max	: 1.15Ω
DC Current Rating	: 520mA
Self Resonant Frequency	: 3.2MHz
Inductor Case Style	: SMD
No. of Pins	: 2
Lead Spacing	: 2.8mm
Core Material	: Ferrite
External Depth	: 9.8mm
External Length / Height	: 5.8mm
External Width	: 9.8mm
Resonant Frequency	: 1kHz
Series	: MCSDC1006

Electrical Characteristics (at 25°C)

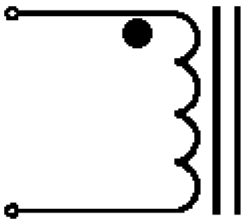
1kHz 1V	L	330µH ±10%
at 25°C	DCR	1.15Ω (Max.)
1kHz 1V I_{rms} = 0.52A	ΔT	Temperature Rise 40°C (Max.)

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

Material List

No.	Item	Material Description
1	Core	K22 DRM 9.5 × 5.5 RB-R B = 4.5 F = 3
2	Wire	Ø0.22mm × 1P 2UEF1/U 155°C
3	Solder (Lead Free)	Sn99.3%/Cu0.7%

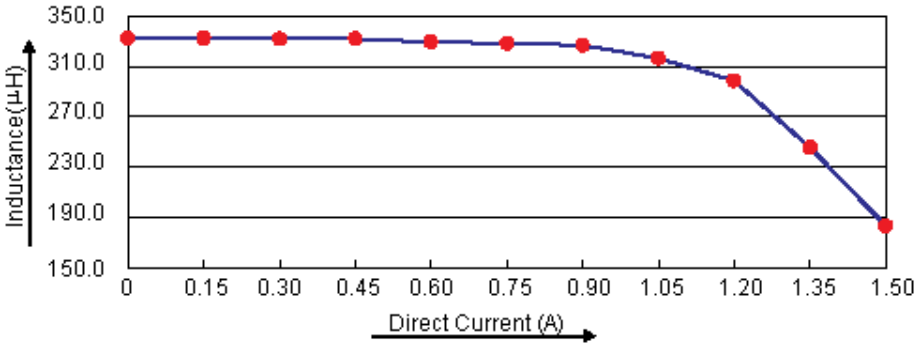
Schematic Diagram

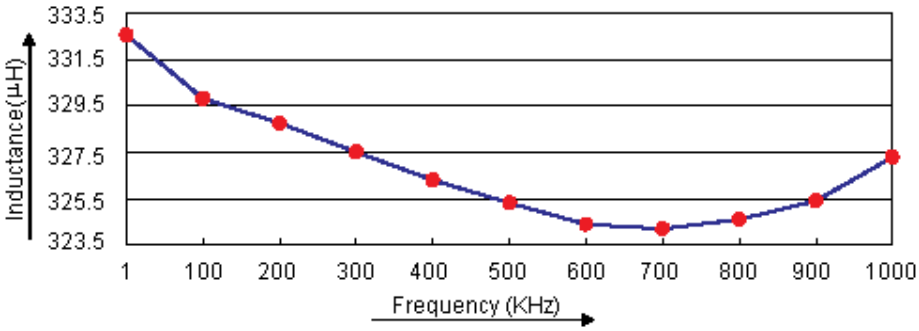


Note:

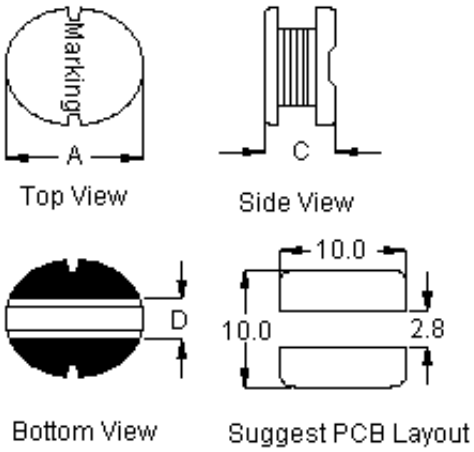
1. Wire Ø0.22mm × 1P 2UEF1/U 155°C
2. 85.5TS (Reference)

Electric Characteristics





Configurations and Dimensions



A	9.8mm	(Maximum)
C	5.8mm	(Maximum)
D	2.9mm	(Reference)

Dimensions : Millimetres

Part Number Table

Description	Part Number
Inductor, 330µH, ±10%, SMD	MCSDC1006-331KU