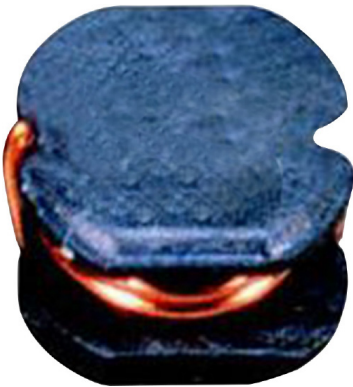


RoHS  
Compliant



## Specifications:

Inductance	: 4.7mH
Inductance Tolerance	: ± 10%
DC Resistance Max	: 12Ω
DC Current Rating	: 300mA
Inductor Case Style	: SMD
No. of Pins	: 2
Lead Spacing	: 3.5mm
Core Material	: Ferrite
External Depth	: 9mm
External Length / Height	: 6.5mm
External Width	: 10mm
Resonant Frequency	: 100kHz
Series	: MCSD106

## Electrical Characteristics (at 25°C)

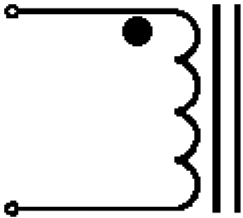
100kHz 0.25V	L	4.7mH ±10%
at 25°C	DCR	12Ω (Max.)
100kHz 0.25V I <sub>rms</sub> = 0.3A	ΔT	Temperature Rise 40°C (Max.)

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

## Material List

No.	Item	Material Description
1	Core	R5A CDR10 × 6.5 (ST) B4.7 F4
2	Wire	Ø0.12mm × 1P 2UEWF 155°C
3	Solder (Lead Free)	Sn99.3%/Cu0.7%

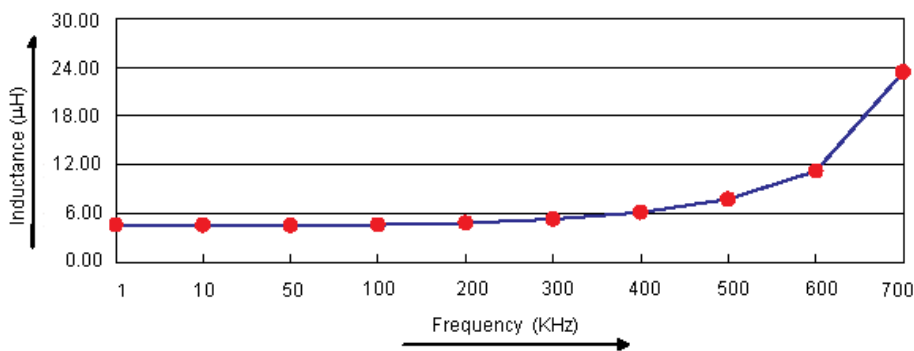
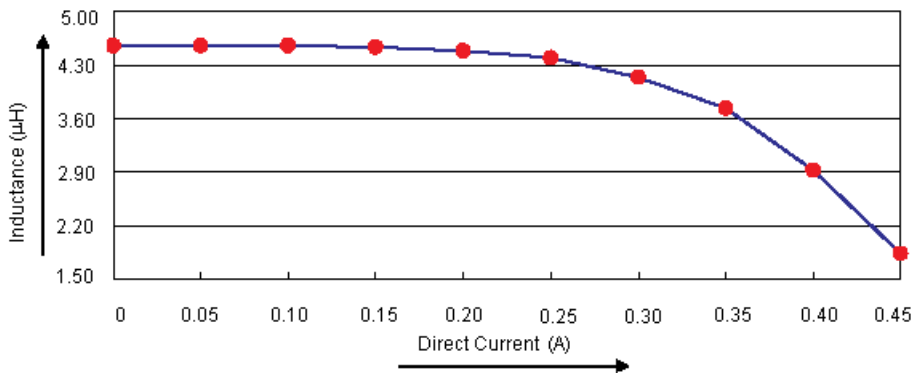
## Schematic Diagram



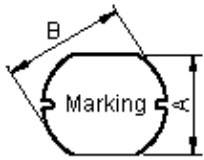
### Note:

1. Wire Ø0.12mm × 1P 2UEWF 155°C
2. 322.5TS (Reference)

## Electric Characteristics



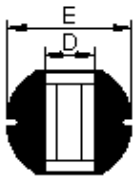
## Configurations and Dimensions



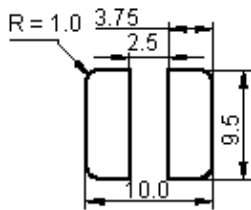
Top View



Side View



Bottom View



Suggest PCB Layout

A	9 ±0.4mm	-
B	10 ±0.4mm	-
C	6.5 ±0.4mm	-
D	3.5mm	(Reference)
E	10 ±0.5mm	-

Dimensions : Millimetres

## Part Number Table

Description	Part Number
Inductor, 4.7mH, ±10%, 2Pins	MCSD106-472KU

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