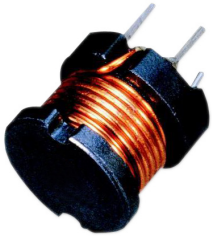


Inductor

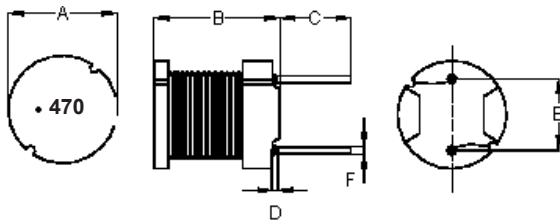
Radial Leaded

multicompPRO

**RoHS
Compliant**

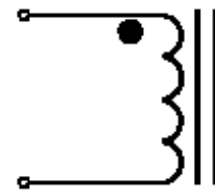


Configurations and Dimensions



A	7.8mm ±0.5mm
B	8.5mm ±0.5mm
C	5mm ±1mm
D	3mm (Max.)
E	5mm ±0.5mm
F	Ø0.6mm (Ref.)

Schematic Diagram



Note:

1. Wire UEFN/U (155°C) Ø0.4mm
2. 38.5TS (Reference) C.W

Top View

Front View

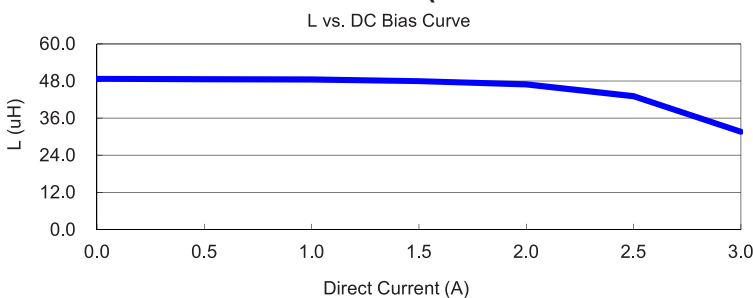
Bottom View

Note : The dot of marking indicates the start terminal of winding

Electrical Characteristics (T_A = 25°C)

Open Circuit Inductance (OCL) : 47µH ±20% at 1kHz, 0.25V, 0A DC, at 25°C
 Irms : 1.3A, DC current that causes an approximate temperature rise (ΔT) of 40°C
 DCR : 120mΩ Max.(T_A = 25°C)
 SRF : 9MHz Typ @ 25°C
 Operating Temperature Range : -55°C to +130°C

Inductance Characteristics (Inductance vs. Current)



Part Number Table

Description	Part Number
Inductor,47µH,1.3A,120mΩ DCR	MCSCH895-470KU

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