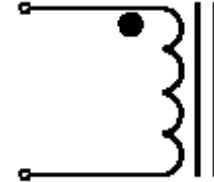


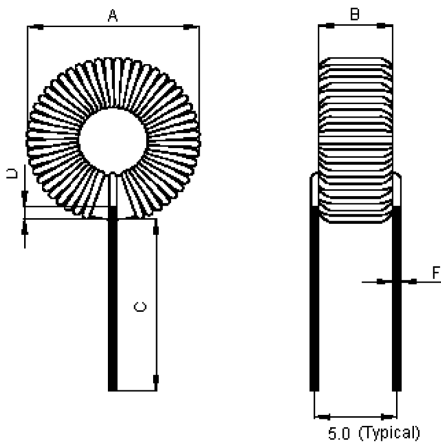
**RoHS
Compliant**



Schematic Diagram



Configurations and Dimensions



A	13.5mm (Max.)
B	6mm (Max.)
C	15 ±1mm
D	1mm (Min.)
F	Ø0.3mm (Ref.)

Note:

1. Wire UEFN/U (155°C) Ø0.3mm
2. 94TS (Reference) C.W

Test Data for Mechanical

Test Item	A mm	B mm	C mm	D mm	F mm
Specification	13.5 (Max.)	6 (Max.)	15 ±1	1 (Min.)	Ø0.3 (Ref.)
1	12.27	5.68	15.26	1.9	0.27
2	12.19	5.68	15.07	1.7	0.28
3	12.17	5.63	15.17	1.75	0.27
4	12.32	5.51	15.06	1.65	0.28
5	12.31	5.7	15.23	1.98	0.29
Average	12.25	5.64	15.16	1.8	0.28

Electrical Characteristics

Test Condition		
10kHz / 5mA	L	360µH ±20%
T _A = 25°C	DCR	450mΩ (Max.)
10kHz / 5mA I _{rms} = 0.4A	ΔT	Temperature rise 40°C (Max.)

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

Reliability Test

Test Item	Specifications	Test Method and Remarks
Operating temperature range	-55°C to +130°C	Including temperature rise due to self-generated heat.
Storage condition	Ambient temperature : 0°C to 40°C Humidity : Below 70% RH	To maintain the solderability of terminal electrodes, care must be taken to control temperature and humidity in the storage area.
Moisture sensitivity	Appearance : No abnormality No damage DCR change : Within ±5% Inductance change : Within ±5%	According to J-STD-020B level 3 Test condition : 60°C 60% RH Test duration : 40 hrs Recovery : 1 to 2 hours of recovery under the standard condition after the removal from the test chamber.
Solderability	All termination shall exhibit a continuous solder coating free from defects for a minimum of 95% of the surface area of any individual lead.	According to J-STD-002B Steam aging category : 97°C 98% RH Steam aging duration : 8 hrs Solder : Lead-free solder Solder temperature : 260 ±5°C Dip time : 5 +0 / -0.5s

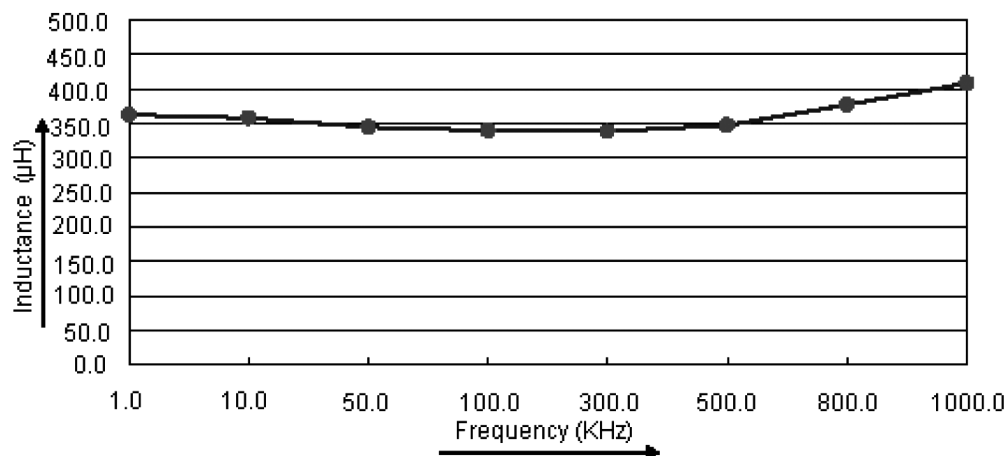
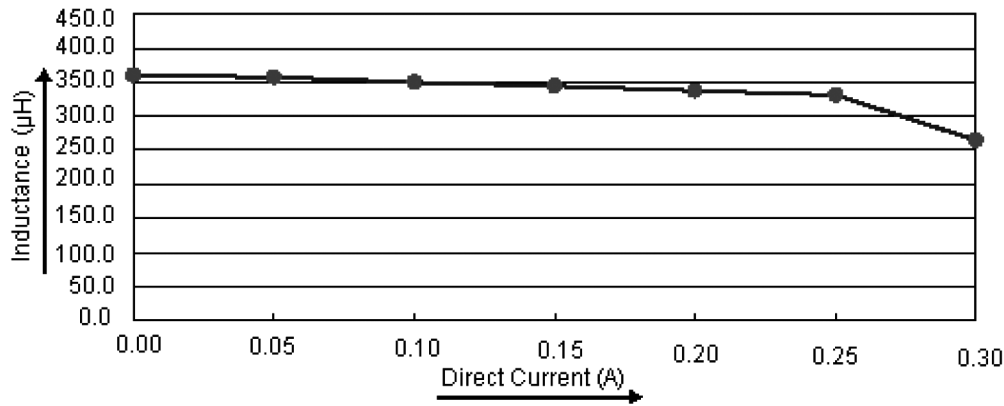
Material List

No.	Item	Material Description
1	Core	T44-75-TAF200 (Red / White)
2	Wire	Ø0.3mm UEFN/U (155°C)
3	Solder (Lead-free)	Sn99.3% / Cu0.7%

Test Data for Electrical

Test Item	L µH	DCR mΩ	ΔT
Condition	10kHz / 5mA	T _A = 25°C	10kHz / 5mA I _{rms} = 0.4A
Specification	360 ±20%	450 (Max.)	Temperature rise 40°C (Max.)
1	361.13	362.2	OK
2	362.19	383.8	
3	360.74	362.8	
4	361.42	373.2	
5	362.87	373.7	
Average	361.67	371.14	OK

Electric Characteristics



Part Number Table

Description	Part Number
Inductor, 360µH, 20%, 2 Pins	MCAP104428087A-361MU

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