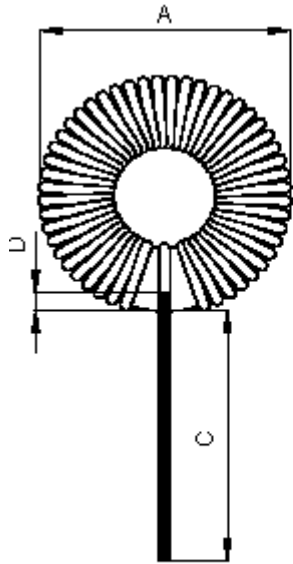


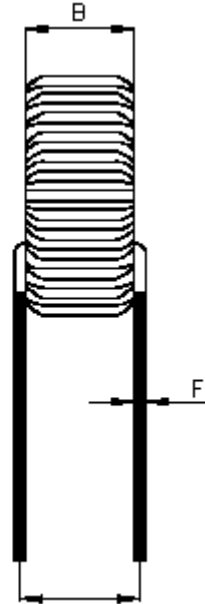
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## Configurations and Dimensions



Front View



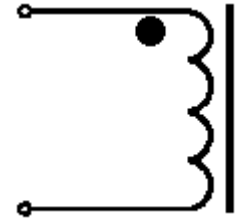
5.0 (Typical)

Side View

Dimensions : Millimetres

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

## Schematic Diagram



## Note:

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



## Electrical Characteristics

Test Condition		
10 KHz / 5 mA	L	360 µH ±20%
T <sub>a</sub> = 25°C	DCR	450 mΩ (Max.)
10 KHz / 5 mA I <sub>rms</sub> = 0.4 A	ΔT	Temperature rise 40°C (Max.)

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

## 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
<b>Average</b>	<b>12.25</b>	<b>5.64</b>	<b>15.16</b>	<b>1.8</b>	<b>0.28</b>

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20/04/11

## DATE:

20/04/11

## DATE:

04/05/11

## DRAWING TITLE:

**Inductor**

## SIZE

**A**

## DWG NO.

**M10002633**

## ELECTRONIC FILE

MCAP104428087A-361MU

## REV

**A**

SCALE: NTS

U.O.M.: mm

SHEET: 1 OF 3



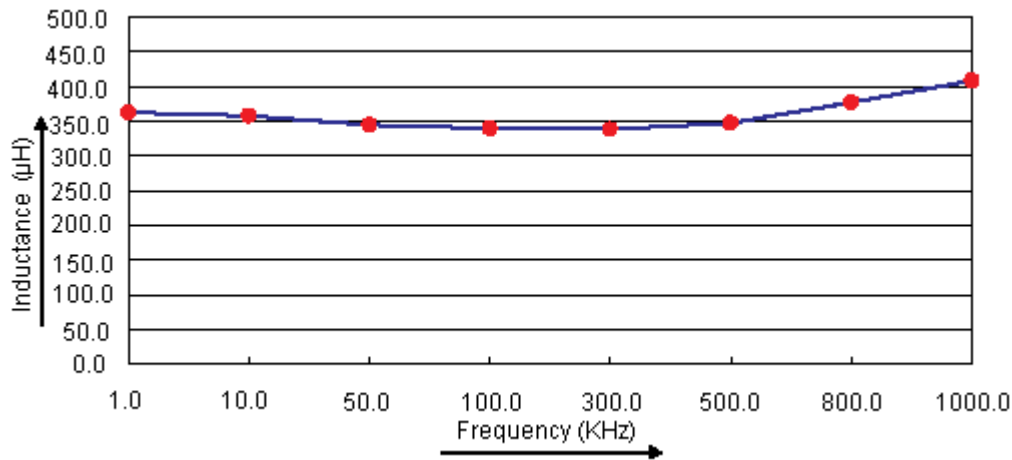
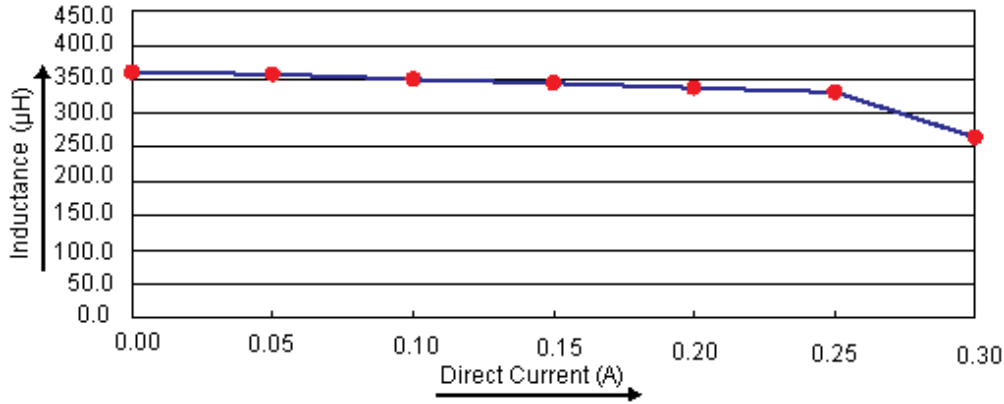
PART NO.

MCAP104428087A-361MU

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
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Electric Characteristics



Test Data for Electrical

Test Item	L µH	DCR mΩ	ΔT
Condition	10 KHz / 5 mA	T <sub>a</sub> = 25°C	10 KHz / 5 mA I <sub>rms</sub> = 0.4 A
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

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DRAWING TITLE:

**Inductor**

SIZE <b>A</b>	DWG NO. <b>M10002633</b>	ELECTRONIC FILE MCAP104428087A-361MU	REV <b>A</b>
SCALE: NTS	U.O.M.: mm	SHEET: 2 OF 3	



PART NO.

MCAP104428087A-361MU

REVISIONS

ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
-	A	RELEASED	ASH	20/4/11	SID	20/4/11		04/5/11

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 / -0.5 s

Material List

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

Part Number Table

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

<http://www.element14.com>

<http://www.farnell.com>

<http://www.newark.com>

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SID	20/04/11
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DRAWING TITLE:

**Inductor**

SIZE	DWG NO.	ELECTRONIC FILE	REV
A	M10002633	MCAP104428087A-361MU	A
SCALE: NTS	U.O.M.: mm	SHEET: 3 OF 3	