

## External Dimensions (Unit:mm)

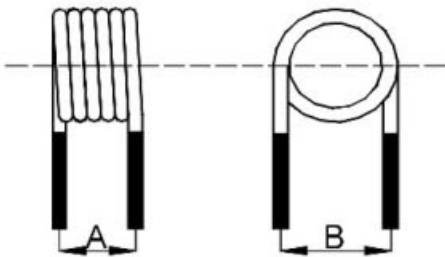


Fig.1

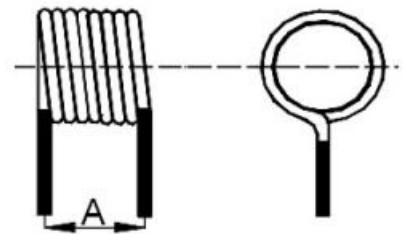


Fig.2

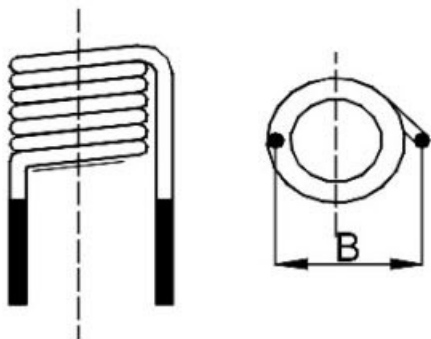


Fig.3

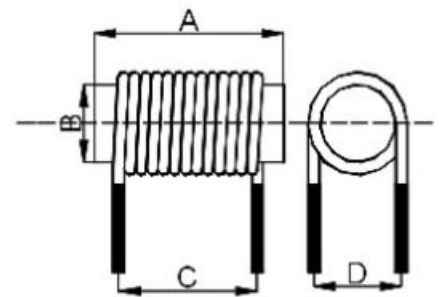


Fig.4

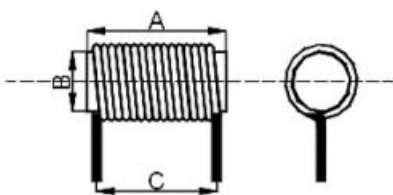


Fig.5

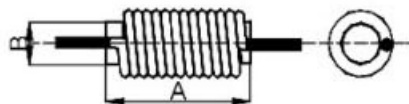


Fig.6

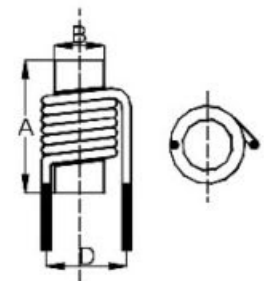


Fig.7



## Feature

- ◆ Printed circuit mounting
- ◆ High saturation current

## Application

- ◆ Power supplies
- ◆ Output chokes
- ◆ Switching regulators
- ◆ TVs
- ◆ Typewriting machines
- ◆ UPSs, etc

## Product Identification

AK 1 000 24 005 1 A - 030 M U  
1R0  
 a b c d e f g h i j

a. Series Name

AK AK Series

b. Winding mode

1 Clockwise  
2 Counter Clockwise

c. Rod Core (D)\*(L)

000 Air coil(No rod core)  
520 5\*20 (mm)

d. AWG code

24 AWG code

e. Turns

005 5 Turns

f. Lead mode

See page

g. Special Code

A Special code

h. Inductance Value

030 Coil inner diameter(No rod core)  
1R0 1.0uH

i. Inductance Tolerance

L ±15%  
M ±20%

j. Special Code

U Lead Free Product

## Electrical Characteristics

### AK Series

Part Number	Inductance ( $\mu$ H)	Test Frequency (KHz)	Resistance ( $m\Omega$ ) Max.	S.R.F. (MHz)	Rated DC Current (A) Max.
AK1000180102A-080	0.60	1	8.0	250	-
AK1000210102A-050	0.35	1	12.0	360	-
AK1000200031A-050	0.09	1	3.5	890	-
AK1000210041A-040	0.09	1	4.2	960	-
AK1000190049A-050	0.09	1	2.6	920	-
AK1212250211A-3R6M	3.6	1	23.00	-	2.5
AK1214270243A-6R7M	6.7	1	50.00	-	2.0
AK1220220229A-5R8L	5.8	1	20.00	-	2.0
AK1315240182A-5R0L	5.0	1	40.00	-	4.0
AK1318160062A-R68M	0.68	1	2.20	-	10.0
AK1318160191A-5R7M	5.7	1	14.95	-	5.2
AK1320200211A-6R0M	6.0	1	14.00	-	4.0
AK1415160112A-1R5M	1.5	1	4.30	-	16.0
AK1415250261A-100L	10.0	1	65.00	-	1.0
AK1416130042A-R37M	0.37	1	0.90	-	24.0
AK1418160062A-1R0M	1.0	1	2.50	-	15.0
AK1420160122A-2R4L	2.4	1	7.00	-	8.0
AK1518160062A-1R0M	1.0	1	4.50	-	15.0
AK1518180142A-3R0Y	3.0	1	7.50	-	6.0
AK1520140062A-1R0M	1.0	1	1.65	-	16.0
AK1520140082A-1R6M	1.6	1	1.98	-	16.0
AK1521130101A-2R0M	2.0	1	1.80	-	18.0
AK1521150111A-2R4M	2.4	1	4.00	-	16.0
AK1525140101A-2R4M	2.4	1	4.00	-	14.0
AK1620180321A-230K	23.0	1	30.00	-	10.0
AK1625180201A-100M	10.0	1	12.65	-	12.0
AK1630160199B-100L	10.0	1	10.00	-	10.0

### Note:

Rated DC Current: Inductance drops 10% (Typical) from its initial value, or temperature rise by 40°C (Ta=25°C), whichever is smaller.

Test equipment: Inductance is measured with WK3260A Meter or equivalent.

Operating temperature range: -25°C to +85°C

※ Customer's Specification are welcome