

# Shielded Radial RF Choke

AISR-01

RoHS/RoHS II Compliant



10.5 x  $\phi$ 10.5 mm

## FEATURES:

- Current rating up to 90mA
- Wide inductance range from 1mH to 120mH
- Shielded Construction

## APPLICATIONS:

- DC/DC converters
- Power supplies
- Desktop and notebooks
- Band pass filters and output chokes

## ELECTRICAL SPECIFICATIONS:

Abracon P/N:	AISR-01
Operating Temperature	-25°C to +85°C
Storage Temperature	-25°C to +85°C

Part No. AISR-01- Inductance Code	L(mH)	Tolerance	Q	L/Q Test Freq.	SRF (MHz)	DCR( $\Omega$ )	I <sub>DC</sub> (mA)
		(%)	(min)	(KHz)	(Min)	(max)	(max)
AISR-01-102	1.0	J	70	1/50	0.77	3.4	90
AISR-01-122	1.2	J	70	1/50	0.70	3.7	75
AISR-01-152	1.5	J	70	1/50	0.64	4.0	70
AISR-01-182	1.8	J	70	1/50	0.57	4.5	65
AISR-01-222	2.2	J	70	1/50	0.51	5.2	60
AISR-01-272	2.7	J	70	1/50	0.48	5.8	55
AISR-01-332	3.3	J	100	1/50	0.44	6.1	50
AISR-01-392	3.9	J	100	1/50	0.41	7.2	45
AISR-01-472	4.7	J	100	1/50	0.38	7.5	40
AISR-01-562	5.6	J	100	1/50	0.35	8.4	40
AISR-01-682	6.8	J	100	1/50	0.32	9.7	35
AISR-01-822	8.2	J	100	1/50	0.28	10.4	30
AISR-01-103	10	J	100	1/50	0.25	12.1	25
AISR-01-123	12	J	100	1/50	0.22	13.0	25
AISR-01-153	15	J	100	1/50	0.22	15.0	22
AISR-01-183	18	J	100	1/50	0.19	17.0	22
AISR-01-223	22	J	100	1/50	0.19	19.5	21
AISR-01-273	27	J	100	1/50	0.16	22.0	18
AISR-01-333	33	J	100	1/50	0.16	26.0	17
AISR-01-363	36	J	100	1/50	0.20	27.0	16
AISR-01-393	39	J	100	1/50	0.12	45.0	15
AISR-01-473	47	J	100	1/50	0.12	52.0	13
AISR-01-563	56	J	100	1/50	0.12	58.0	12
AISR-01-683	68	J	100	1/50	0.09	67.0	11
AISR-01-823	82	J	100	1/50	0.09	71.0	10
AISR-01-104	100	J	100	1/50	0.09	82.0	9
AISR-01-124	120	J	100	1/50	0.08	97.0	8

## Test Conditions:

I<sub>DC</sub>: The current when the inductance decreases to 90% of its initial value. (Ta=25°C)



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## PART IDENTIFICATION:

AISR-01-

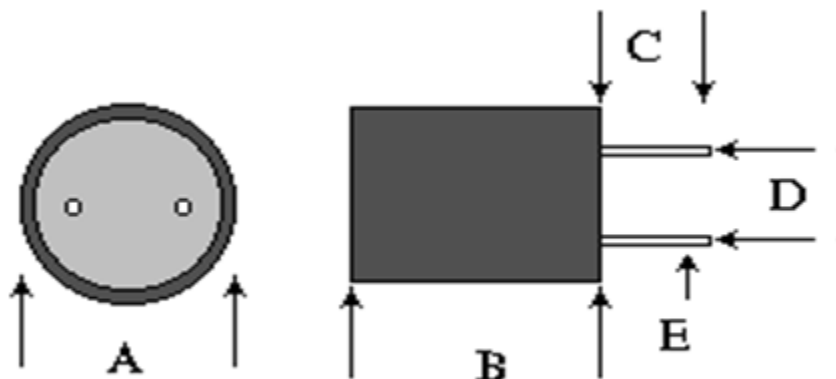
### Inductance Code

Please refer to the table above

### Tolerance

J:  $\pm 5\%$

## OUTLINE DIMENSION:



A	10.5 Max
B	10.5 Max
C	5
D	5
E	0.7 Dia

Dimension: mm

Packing (Bulk: 400pcs / Tray)

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