

## RCS1318B SERIES ~ Through Hole Shielded Inductors



RoHS Compliant

### FEATURES

- Magnetically shielded construction and low leakage flux type .
- 7.5mm-pitch , 2 terminal fixed inductor .
- Lead free and RoHS compliant
- Ideal for use as choke coil for high current DC-DC circuit in all types of electronic instruments .

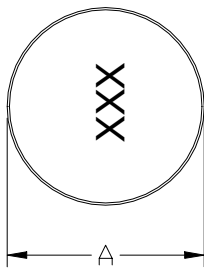
### PART NUMBERING SYSTEM

<b>RCS</b>	<b>1 3 1 8 B</b>	—	<b>6 8 0 K</b>	—	<b>LF</b>
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

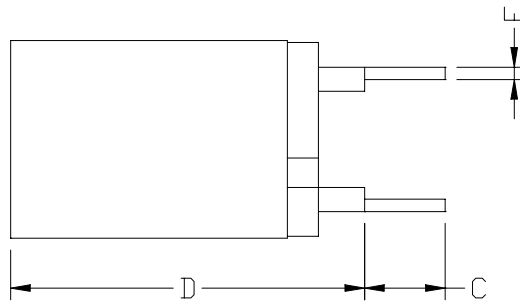
### SHAPES AND DIMENSIONS

UNIT : mm

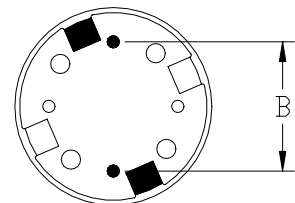
TOP VIEW



FRONT VIEW



BOTTOM VIEW



**A=13.5 Max. B=7.5 Ref. C=4.0 Ref. D=18.5 Max. E=0.7 Ref.**

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### SPECIFICATION TABLE

PART NUMBER	INDUCTANCE ( $\mu$ H)	DCR ( $\Omega$ ) (Max.)	IDC ( A ) (Max.)	TEST FREQ. ( f )
RCS1318B-100K-LF	10 $\pm$ 10%	0.0370	7.50	1KHz
RCS1318B-150K-LF	15 $\pm$ 10%	0.0447	6.00	1KHz
RCS1318B-180K-LF	18 $\pm$ 10%	0.0662	5.50	1KHz
RCS1318B-220K-LF	22 $\pm$ 10%	0.0739	5.00	1KHz
RCS1318B-240K-LF	24 $\pm$ 10%	0.0770	4.80	1KHz
RCS1318B-270K-LF	27 $\pm$ 10%	0.0831	4.50	1KHz
RCS1318B-330K-LF	33 $\pm$ 10%	0.0908	4.00	1KHz
RCS1318B-390K-LF	39 $\pm$ 10%	0.0970	3.70	1KHz
RCS1318B-470K-LF	47 $\pm$ 10%	0.132	3.50	1KHz
RCS1318B-560K-LF	56 $\pm$ 10%	0.154	3.00	1KHz
RCS1318B-680K-LF	68 $\pm$ 10%	0.200	2.70	1KHz
RCS1318B-820K-LF	82 $\pm$ 10%	0.225	2.50	1KHz
RCS1318B-101K-LF	100 $\pm$ 10%	0.248	2.20	1KHz
RCS1318B-121K-LF	120 $\pm$ 10%	0.279	2.00	1KHz
RCS1318B-151K-LF	150 $\pm$ 10%	0.450	1.80	1KHz
RCS1318B-181K-LF	180 $\pm$ 10%	0.501	1.70	1KHz
RCS1318B-221K-LF	220 $\pm$ 10%	0.550	1.50	1KHz
RCS1318B-271K-LF	270 $\pm$ 10%	0.600	1.20	1KHz
RCS1318B-331K-LF	330 $\pm$ 10%	0.700	1.10	1KHz
RCS1318B-391K-LF	390 $\pm$ 10%	1.40	1.00	1KHz
RCS1318B-471K-LF	470 $\pm$ 10%	1.50	0.90	1KHz
RCS1318B-561K-LF	560 $\pm$ 10%	1.60	0.85	1KHz
RCS1318B-681K-LF	680 $\pm$ 10%	1.80	0.80	1KHz
RCS1318B-821K-LF	820 $\pm$ 10%	2.20	0.70	1KHz
RCS1318B-102K-LF	1000 $\pm$ 10%	2.50	0.50	1KHz

- Inductors tolerance K= $\pm$ 10% .
- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -25 $^{\circ}$ C to +105 $^{\circ}$ C ,
- Electrical specifications at 20 $^{\circ}$ C .