

RCS1616B 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 .

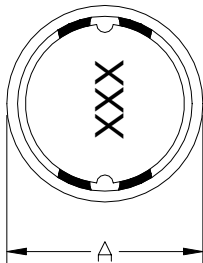
PART NUMBERING SYSTEM

RCS	1 6 1 6 B	—	1 0 2 K	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

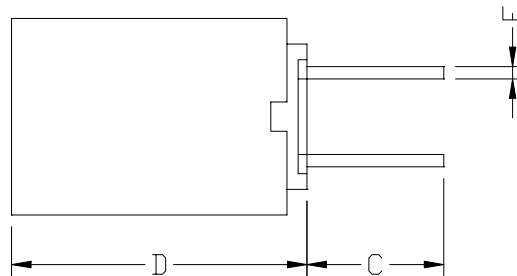
SHAPES AND DIMENSIONS

UNIT : mm

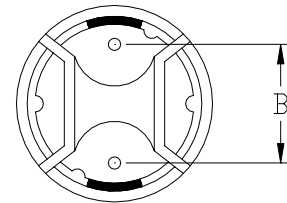
TOP VIEW



FRONT VIEW



BOTTOM VIEW



A=16.5 Max. B=7.5 Ref. C=5.0 Ref. D=16.5 Max. E=0.8 Ref.

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	IDC (A) (Max.)	TEST FREQ. (f)
RCS1616B-4R7M-LF	4.7 \pm 20%	6.70m	12.6	1KHz
RCS1616B-6R8M-LF	6.8 \pm 20%	9.35m	9.8	1KHz
RCS1616B-100M-LF	10 \pm 20%	10.5m	9.3	1KHz
RCS1616B-120M-LF	12 \pm 20%	11.0m	8.5	1KHz
RCS1616B-150M-LF	15 \pm 20%	14.5m	7.1	1KHz
RCS1616B-180M-LF	18 \pm 20%	16.5m	6.7	1KHz
RCS1616B-220M-LF	22 \pm 20%	17.0m	6.2	1KHz
RCS1616B-270M-LF	27 \pm 20%	20.0m	5.6	1KHz
RCS1616B-330M-LF	33 \pm 20%	27.0m	5.0	1KHz
RCS1616B-390M-LF	39 \pm 20%	33.0m	4.6	1KHz
RCS1616B-470M-LF	47 \pm 20%	37.0m	4.2	1KHz
RCS1616B-560M-LF	56 \pm 20%	45.0m	3.8	1KHz
RCS1616B-680M-LF	68 \pm 20%	56.0m	3.3	1KHz
RCS1616B-820M-LF	82 \pm 20%	64.5m	2.9	1KHz
RCS1616B-101K-LF	100 \pm 10%	68.0m	2.7	1KHz
RCS1616B-121K-LF	120 \pm 10%	80.0m	2.5	1KHz
RCS1616B-151K-LF	150 \pm 10%	91.0m	2.3	1KHz
RCS1616B-181K-LF	180 \pm 10%	135m	2.0	1KHz
RCS1616B-221K-LF	220 \pm 10%	155m	1.8	1KHz
RCS1616B-271K-LF	270 \pm 10%	180m	1.7	1KHz
RCS1616B-331K-LF	330 \pm 10%	240m	1.5	1KHz
RCS1616B-391K-LF	390 \pm 10%	255m	1.3	1KHz
RCS1616B-471K-LF	470 \pm 10%	280m	1.2	1KHz
RCS1616B-561K-LF	560 \pm 10%	380m	1.1	1KHz
RCS1616B-681K-LF	680 \pm 10%	515m	1.0	1KHz
RCS1616B-821K-LF	820 \pm 10%	575m	0.96	1KHz
RCS1616B-102K-LF	1000 \pm 10%	665m	0.85	1KHz

- Inductors tolerance K= \pm 10% ; M= \pm 20% .
- 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.