



RCS1012 SERIES ~ Through Hole Shielded Inductors



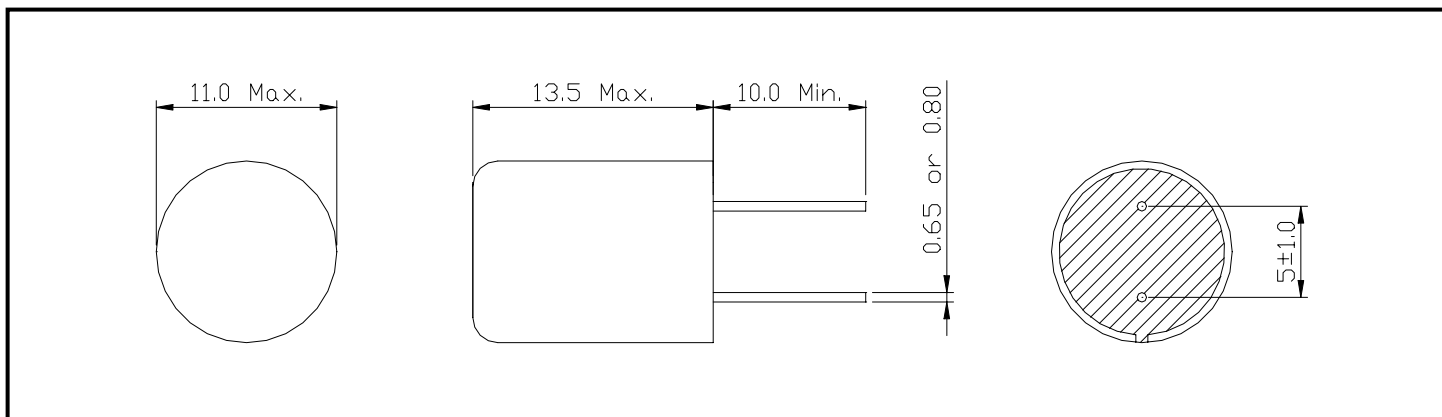
RoHS Compliant

PART NUMBERING SYSTEM

RCS	1 0 1 2	—	6 8 2 K	—	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

UNIT : mm



FEATURES

- Magnetically shielded construction and low leakage flux type .
- Lead free and RoHS compliant
- Ideal for use as an inductor for high current power supplies in all types of electronic instruments .
- 5mm-pitch , 2-terminal fixed inductor .
- Excellent Q frequency characteristics and small distributed capacity contributes to high SRF .

GENERAL SPECIFICATION

- Storage Temperature : -25 C ~ +85 C
- Operation Temperature : -20 C ~ +85 C
- Terminal strength : 1.0Kg min .
- Inductance is measured with a LCR meter HP4263B or equivalent .



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (mH)	DCR (Ω) (Max.)	IDC (mA) (Max.)	TEST FREQ. (f)
RCS1012-122K-LF	1.2±10%	1.2	200	1KHz
RCS1012-152K-LF	1.5±10%	1.5	200	1KHz
RCS1012-182K-LF	1.8±10%	1.6	200	1KHz
RCS1012-222K-LF	2.2±10%	1.8	200	1KHz
RCS1012-272K-LF	2.7±10%	1.9	200	1KHz
RCS1012-332K-LF	3.3±10%	2.3	200	1KHz
RCS1012-392K-LF	3.9±10%	2.5	200	1KHz
RCS1012-472K-LF	4.7±10%	3.7	140	1KHz
RCS1012-502K-LF	5.0±10%	3.8	140	1KHz
RCS1012-562K-LF	5.6±10%	4.0	140	1KHz
RCS1012-682K-LF	6.8±10%	4.2	140	1KHz
RCS1012-822K-LF	8.2±10%	5.3	140	1KHz
RCS1012-103K-LF	10±10%	7.3	100	1KHz
RCS1012-123K-LF	12±10%	8.3	100	1KHz
RCS1012-153K-LF	15±10%	11.0	90	1KHz
RCS1012-183K-LF	18±10%	13.6	75	1KHz
RCS1012-223K-LF	22±10%	15.4	75	1KHz
RCS1012-273K-LF	27±10%	17.9	75	1KHz
RCS1012-333K-LF	33±10%	23.3	60	1KHz
RCS1012-393K-LF	39±10%	25.9	60	1KHz
RCS1012-473K-LF	47±10%	30.4	60	1KHz
RCS1012-503K-LF	50±10%	37.8	50	1KHz
RCS1012-563K-LF	56±10%	39.1	50	1KHz
RCS1012-683K-LF	68±10%	40	50	1KHz

- Inductors tolerance K=±10% .
- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -25°C to +105°C .
- Electrical specifications at 20°C .