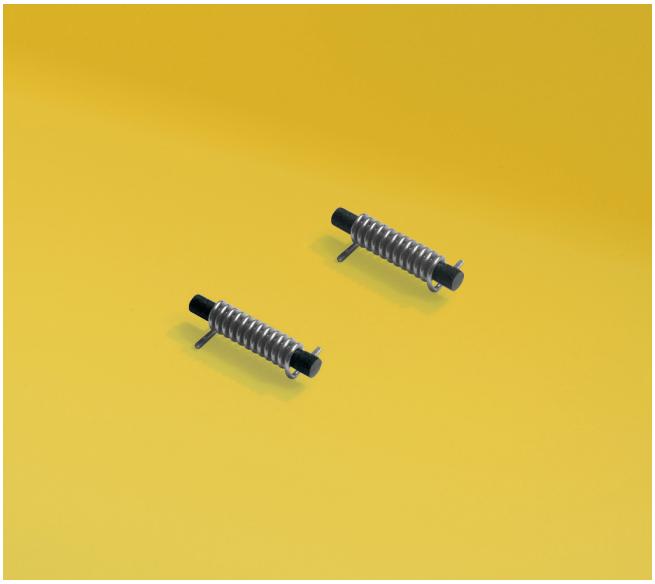
Extreme Temperature Coil AT549RBT



- Designed for use in extremely high-temperature applications, up to 300°C.
- Suitable for use in down-hole applications and on-engine automotive applications

Terminations Nickel clad copper. Other terminations available at additional cost.

Weight 0.5 g

Ambient temperature –55°C to +300°C

Storage temperature Component: –55°C to +300°C.
Tray packaging: –55°C to +80°C

Temperature Coefficient of Inductance (TCL) +300 to +500 ppm/°C

Resistance to soldering heat 40 second reflow at +350°C

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Packaging In trays

Part number[1]	Inductance[2] ±20% (µH)	DCR max[3] (mOhms)	SRF min[4] (MHz)	Imax (A)
AT549RBT102MLZ	1.0	15.0	800	1.0

1. When ordering, please specify **termination** and **screening** codes:

AT549RBT102MLZ

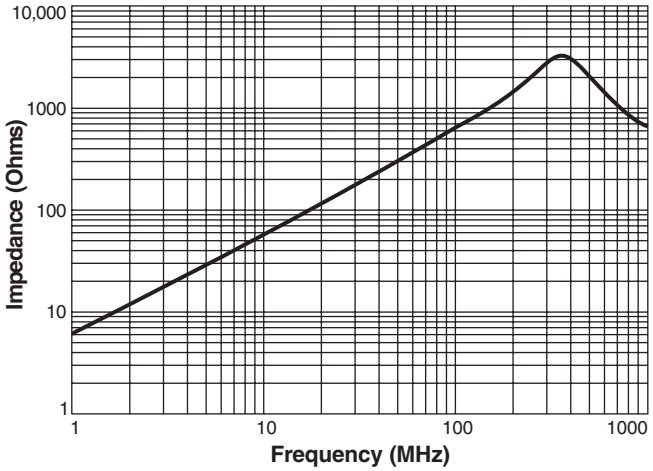
Termination: **L** = Nickel clad copper
S = Tin-lead (95 Pb/5 Sn) over nickel clad copper

Screening: **Z** = Unscreened
H = Coilcraft CP-SA-10001 Group A
F = ESCC3201 (F4 operational life performed at 90°C)
1 = EEE-INST-002 (Family 3) Level 1
2 = EEE-INST-002 (Family 3) Level 2
3 = EEE-INST-002 (Family 3) Level 3
4 = MIL-STD-981 (Family 50) Class B
5 = MIL-STD-981 (Family 50) Class S

- Screening performed to the document's latest revision.
- Custom testing also available.
- Country of origin restrictions available; prefix option G.

2. Inductance measured at 100 kHz, 0 A using an Agilent / HP4284A LCR meter or equivalent.
3. DCR measured on a Keithley 580 Micro-ohmmeter or equivalent.
4. SRF measured on an Agilent / HP4291A Impedance Analyzer with an Agilent 16193A test fixture or equivalents.

Impedance vs Frequency



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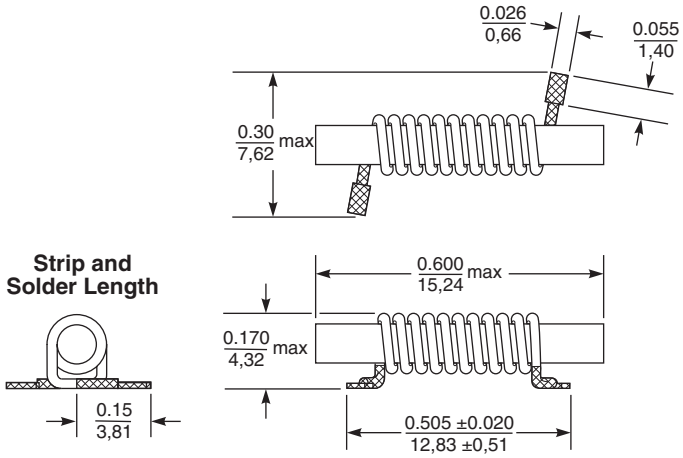

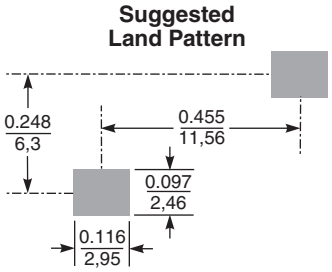

Dimensions are in inches / mm

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