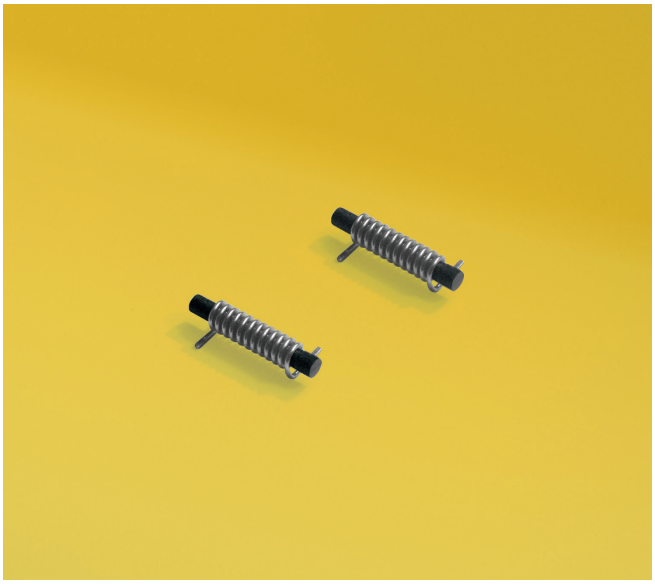
Extreme Temperature Coil AT549RBT



- 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 **testing** codes:

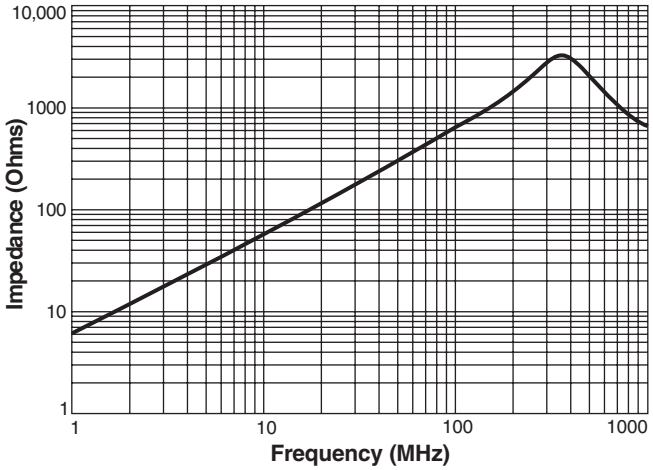
AT549RBT102MLZ

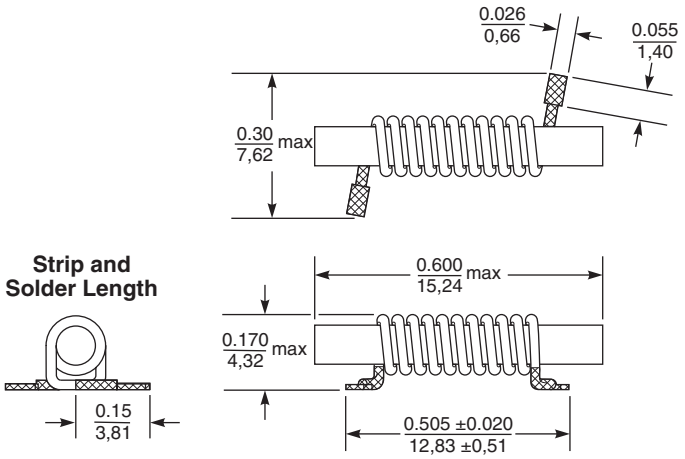
Termination: **L** = Nickel clad copper
S = Tin-lead (95 Pb/5 Sn) over nickel clad copper

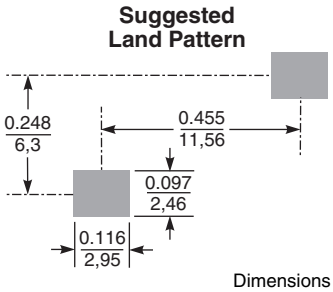
Testing: **Z** = Unscreened
H = Group A screening per Coilcraft CP-SA-10001
N = Group A screening per Coilcraft CP-SA-10004

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







Dimensions are in inches / mm

Document AT098 Revised 06/13/13

Coilcraft CPS
CRITICAL PRODUCTS & SERVICES

1102 Silver Lake Road
Cary, IL 60013
Phone 800-981-0363

Fax 847-639-1508
Email cps@coilcraft.com
www.coilcraft-cps.com