

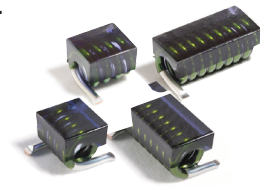
Extreme Temperature Inductors



Coilcraft CPS offers magnetic components suitable for extremely high temperature applications. Constructed with high-grade materials specifically designed for extreme temperatures, these parts perform in environments unsuitable for other coils.

Air-core Inductors

Our “spring” air-core inductors feature an extended temperature range (-60°C to $+200^{\circ}\text{C}$ or $+240^{\circ}\text{C}$). They offer exceptionally high Q and the convenience of a surface mount package.



Extreme-temperature Coil

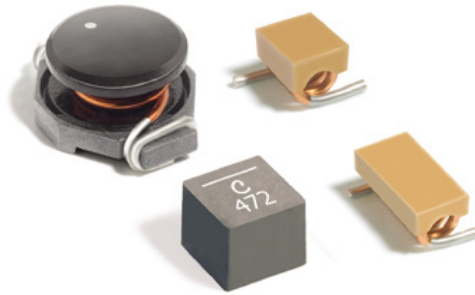
Our AT549RBT coil is designed for temperatures as high as 300°C , making it suitable for down-hole drilling and other extreme temperature applications.



Power Inductors

Coilcraft CPS power inductors offer a temperature range of -55°C to $+200^{\circ}\text{C}$. They are designed to meet the requirements of a variety of automotive and aerospace applications.

Extreme Temperature Inductors



Inductor	Size (L × W × H)	Inductance
AT524PYA 200°C Power Inductor	6.36 × 6.56 × 5.71 mm	0.68 – 22 μH
AT563PKA 200°C Power Inductor	13.21 × 9.91 × 6.1 mm	0.30 – 150 μH
AT426RAT 200°C Air Core Inductors	3.94 × 4.19 × 2.01 mm	5.5 – 13.0 nH
AT446RAT 200°C Air Core Inductors	6.86 × 4.19 × 2.01 mm	16.0 – 27.0 nH
AT350RAT 200°C Air Core Inductors	2.41 × 3.43 × 1.52 mm	1.65 – 5.4 nH
AT394RAT 200°C Air Core Inductors	4.19 × 3.43 × 1.58 mm	5.60 – 12.55 nH
AT439RAT 200°C Air Core Inductors	3.94 × 4.45 × 3.15 mm	2.50 – 18.5 nH
AT470RAT 200°C Air Core Inductors	6.86 × 4.45 × 3.15 mm	17.5 – 43.0 nH
AT475RAT 200°C Air Core Inductors	4.95 × 6.35 × 4.20 mm	22.0 – 150 nH
AT392RAS 240°C Air Core Inductors	1.48 – 2.97 × 2.13 × 1.83 mm	8.1 – 27.3 nH
AT549RBT 300°C Ferrite Core Inductor	15.24 × 7.62 × 4.32 mm	1.0 μH
AT549RBT 300°C Ferrite Core Inductor	27.94 × 6.35 × 6.35 mm	4.7 μH
AT549RBT 300°C Ferrite Core Inductor	27.94 × 6.35 × 6.35 mm	6.8 μH
AT549RBT 300°C Ferrite Core Inductor	27.94 × 6.35 × 6.35 mm	9.2 μH

Visit www.coilcraft-cps.com/high-temp for details on these and other parts suitable for use in extended temperature range environments