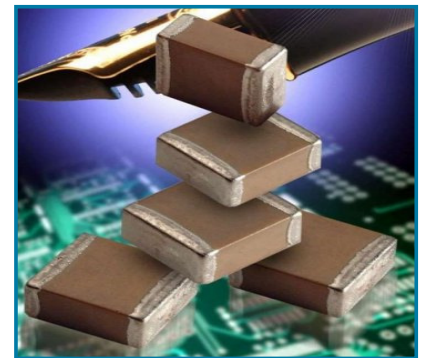
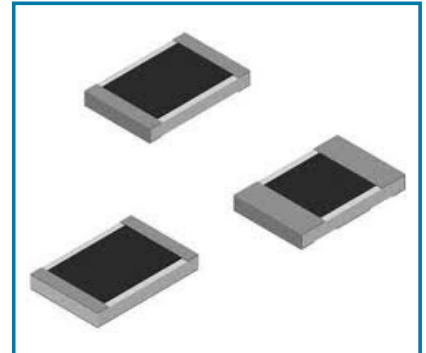


Chip and Axial Resistors

In addition to the extensive range of thick and thin film Chip resistors we support, we also support wire bondable resistors suitable for Military, Space and Medical applications.

- **Substrate Characteristics**
 - 99.6% Alumina for Thin Film and 96% Alumina for Thick Film
 - Thickness ranges from 0.005" to 0.050"
 - Quartz for millimetre wave applications
 - AlN_3 for high power dissipation
 - Au backing available
- **Resistor Film**
 - NiCr with resistivity of 10 to $200\Omega^2$
 - TaN with resistivity of 10 to $125\Omega^2$
- **Features include**
 - Hi Reliability
 - Small Sizes
 - Excellent life value stability
 - Numerous topologies including Centre-Tapped, Multi-tapped and Arrays
 - Low TCR
 - Tight value tolerance
 - Power capabilities up to 1W
- **Testing and Screening Capabilities**
 - Environmental Testing
 - Solder Dipping
 - PCB Design
 - Electrical Testing
 - Burn In up to 1000V DC
 - Tape and Reel

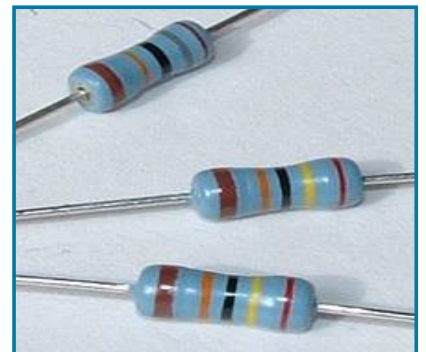
For full details on Microcross Test and Screening capabilities, please contact us.



Microcross are able to offer a wide range of Axial resistors that are compatible for your Hi-Rel or commercial application.

- **Metal Film Resistors**
 - High Long-term stability
 - Typical tol. 1%, 2% 5%
 - Very low TCR $\pm 25 - \pm 350\text{ppm}/^\circ\text{C}$
 - Typical stability $\pm 0.1\%$ per year
 - Low Voltage Coefficients
 - Power Rating of $\frac{1}{4} - 1\text{W}$
- **Metal Oxide Film Resistors**
 - Good Long-Term stability
 - Typical TCR values of $\pm 100 - \pm 200\text{ppm}/^\circ\text{C}$
- **Carbon Film Resistors**
 - Power Ratings of $\frac{1}{8} - 2\text{W}$
 - Wide Range of Resistance Values
 - Long-Term Stability with degradation at 0.25% per year
 - Good General Resistor for Commercial Applications
 - Typical tolerance of 5%
 - Low noise
- **Wire wound Resistors – Power and Precision**
 - Available in values below $1\Omega - 1.2\text{m}\Omega$
 - Excellent high-energy pulse handling
 - Power resistors tol. Typically 1%, 2% and 5%. Precision at 0.00
 - Power Ratings at 1-200W

We can also support Glass Glazed Fixed Resistors and Fusing Resistors



For further information regarding the extensive range Microcross supports, please go to <http://www.microcross.com/distribution.aspx> or email chipcomponents@microcross.com