

Moisture Proof Precision Chips for High Humidity Precision Applications

The RNCS series of passivated Nichrome chip resistors are an ideal low-cost alternative for expensive and hard-to-find tantalum nitride chip resistors. Using a superior substrate material, a unique proprietary Nichrome alloy, and a special hydrophobic polymer inner passivation, the RNCS series exhibits performance similar to tantalum nitride solutions. Some customers or applications require operation in humid or high moisture environments or have experienced corrosion problems with standard Nichrome thin film resistors. For those customers, long term extended humidity testing is essential before a part can be considered for usage on a design. The RNCS series has now surpassed 3,000 hours of 95 degrees C/90% humidity testing at low power loading.

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<http://www.mdtmag.com/product-releases/2009/04/moisture-proof-precision-chips-high-humidity-precision-applications>