

KR Series: NTC Surface-Mount Thermistors

The News: Ametherm introduces a new series of NTC surface-mount thermistors for high-accuracy temperature measurement.

Key Benefits:

- Wide range of resistance values
- Fast thermal response times
- Tight tolerances
- Available in standard EIA 0805, 1005, and 1206 case sizes
- Provide an alternative to radial leaded devices
- High-temperature operation to +150 °C
- RoHS-compliant and lead (Pb)-free
- Five-sided wraparound, silver palladium terminations
- Available in bulk or tape-and-reel packaging

Target Applications:

- Temperature measurement, compensation, and control in LCD controls and power transistor stabilization

Key Specifications:

- Resistance at 25 °C: 100 Ω to 150 kΩ
- Tolerances: ±5 % and ±10 %
- Negative temperature coefficients at 25 °C: -3.3 %/°C to -4.7 %/°C
- Dissipation constant: 2 mW/°C
- Maximum power ratings at 25 °C: 250 mW

The Context: Recently acquired from RTI Electronics, Inc., Ametherm's KR series of NTC surface-mount thermistors offers designers a wide range of resistance values at 25 °C and three standard EIA case sizes to choose from. The devices feature fast thermal response times, tight tolerances, and negative temperature coefficients between -3.3 %/°C and -4.7 %/°C at 25 °C. Providing an alternative to radial leaded devices, the NTC surface-mount thermistors deliver high stability, reliability, and sensitivity for temperature measurement, compensation, and control in a wide range of applications.

Availability: Offered through Sager Electronics, Mouser, and Dexter Magnetic Technologies, samples and production quantities of the KR series are available now, with factory lead times of six weeks.

Datasheets:



New Product Announcement

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Download this New Product Announcement as a PDF:

<http://www.ametherm.com/download/ntc-surface-mount-thermistor-npa-may-2014.pdf>

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