

## PTC Thermistors Are Qualified to AEC Q-200



TDK-EPC introduced the Superior Series of EPCOS SMD PTC thermistors for limit temperature measurement. They are available in case sizes 0805, 0603 and 0402. Compared to the standard series, these components employ a more homogenous ceramic material, which enables them to exhibit desirable performance in reliability tests and be reflow and wave-soldered at temperatures of up to 280 °C. Owing to these properties, they have been qualified based on AEC-Q200 Rev-C and satisfy the requirements for use in automotive electronics applications involving frequent and rapid temperature changes. The types of the B59721A\* Series in case size 0805 have response temperatures from 70°C to 130°C in steps of 10 K. Their rated resistance is 680 Ω. The response temperatures of the B59641A\* (0603) and B59421A\* (0402) Series are from 75 to 145 °C and from 75 to 135°C respectively - also in steps of 10 K. The rated resistance of these components is 470 Ω. The maximum permissible operating voltage for all types is 32 V DC. Possible applications for these temperature limit sensors are power supplies such as AC/DC and DC/DC converters, battery chargers and packs or lamp ballasts.

### TDK-EPC

800-888-7729, [www.epcos.com](http://www.epcos.com) [1]

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