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Vishay Expands Documentation of FoS-105 Sulfur Resistance for SMD NTC Thermistors NTCS0603

Vishay is adding explicit Flowers-of-Sulfur (FoS-105) compliance information to datasheets for selected surface-mount NTC thermistors, helping designers select components for sulfur-sensitive environments.

The NTCS0603E3.....T family of glass-protected SMD NTC thermistors is among the first to include this information. The devices are designed for temperature sensing, protection, and compensation in automotive, industrial, telecom, and consumer applications.

Vishay's monolithic SMD NTC thermistor platform was tested in accordance with EIA-977 condition B at 105 °C for 750 h. Testing showed no significant impact on electrical performance, no penetration of sulfur corrosion products into the conductive termination system, and resistance drift within $\pm 5\%$.

By adding sulfur resistance data directly to datasheets, Vishay is making it easier for engineers to identify suitable thermistors for applications where sulfur-induced corrosion is a concern.

Useful Links

- [NTCS0603E3.....T](#)
- [NTC RT Calculation Tool](#)

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