

# **Product Spotlight**

## Transmission Oil Temperature Sensor

#### Overview

The Transmission Oil Temperature Sensor is used in automotive applications to monitor the temperature of transmission fluid and provide feedback to prevent overheating of the transmission, which can cause performance and reliability issues.

#### Features

- Operating Temperature Range: -40°C ~ 150°C
- Operating Pressure Range: 0 Bar ~ 20 Bar
- R@25°C: 2009Ω±4%
- R@100°C: 183Ω±2%
- Sealing Spec: Leakage rate <0.5% when exposed to 20 Bar oil pressure for 1 minute
- Fast Response: T63 <15s seconds (25°C~85°C in oil)
- Insulation Resistance: >100M $\Omega$  at 500VDC between copper shell and wire
- Chemical Compatibility: Automatic Transmission Fluid
- RoHS Compliant
- Alternate RvT curves available per request

### Applications

- Automotive Transmission Oil Temperature Sensing
- Fluid Temperature Sensing

### **Ordering Options**

Part Number	Resistance @25°C
CTTS-301823-F01	2009Ω±4%

## Amphenol Advanced Sensors

#### www.amphenol-sensors.com

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