THERMOMETRICS
A COMMITMENT TO EXCELLENCE

Product Spotlight

CR1 Harsh Environment Thermistor Coating and the Automotive Industry

Target Applications

- Air Intake Manifold (AIM) sensors
- Exhaust Gas Recirculation (EGR) systems
- Temperature and Manifold Absolute Pressure (TMAP) sensors
- Urea storage and delivery systems (SCR)
- Gearbox and transmission sensors exposed to ATF

Drivers

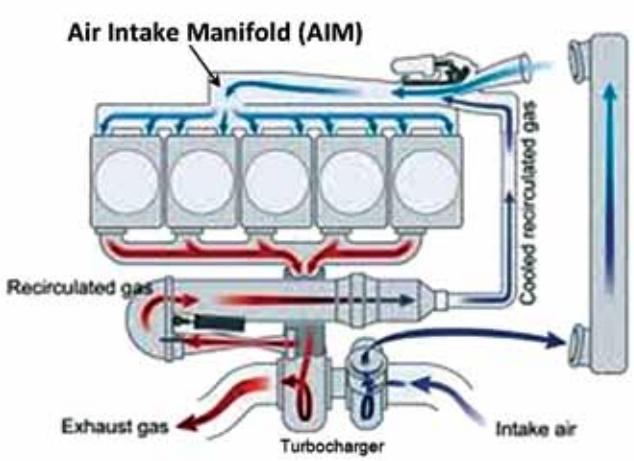
- Euro VI emissions reduction legislation 2015/2016
- Standard Epoxy thermistors will not meet 170°C
- Chip in glass products can corrode at glass/metal interface

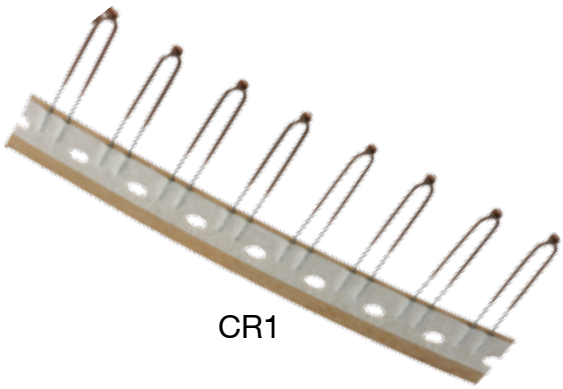
Benefits

- AEC-Q200 Rev D qualified
- Chemical resistance [Acids/Fuels/Oils/Urea]
- High temperature: operation up to 190°C
- Water immersion
- High thermal shock performance
- Electrical insulation up to 1000V DC at 25°C
- Flexible –lead wires can be formed
- Continuous coating –no joints
- Fast time response
- Alternative to chip in glass sensors

AEC-Q200 Qualified

Exhaust Gas Recirculation (EGR) System in Modern Diesel Engine





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