



T H E R M O M E T R I C S
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Product Spotlight



PM2.5+Temp Automotive Dust Sensor(DSF046A)

Overview

Amphenol DSF Series of PM2.5 Automotive In-Cabin Particulate Dust Sensors are designed specifically to meet the needs of OEM manufacturers for a low-cost dust sensor with Lin2.2 Output for in-bulkhead mounting.

DSF046A Sensor is designed for automotive in-cabin air quality applications where PM2.5 & Temperature needs to be measured. The optical design and patented mechanical design utilize laser technology for PM sensing and thermistor for temperature sensing to provide accurate and fast response, and the impactor design enables superior performance with long-term reliability.



Features

- Operating Voltage Range : 9 ~ 16VDC
- Storage Temp Range : -40°C~+85°C
- Operating Temp Range : -40°C~+80°C
- Accurate PM2.5 + Temperature Sensing for the automotive environment (Temperature is optional)
- An affordable "Dust + Temp" sensing solution for OEMs
- Low Noise BLDC motor
- Fast response to dust and temperature detection
- Easy mounting by changing the external mounting bracket design

Applications

- PM2.5 & Temperature measurement for Automotive HVAC application

