



THERMOMETRICS
A COMMITMENT TO EXCELLENCE

Product Spotlight



Auto Defog Sensor

Relative Humidity, Ambient Temperature and a Glass Temperature sensor are integrated into one compact size package. The Auto Defog Sensor (ADS) provides windshield temperature, cabin temperature and a humidity signal to an automatic climate control system. The ADS can detect the conditions that cause windshield fogging and send a measured signal to prevent the windshield fogging automatically. Amphenol can also customize the sensor to meet the customer's requirements ... size, shape, connector, etc.

Features

- Accurate Measurements of %RH, Ambient & Glass Temperature
- Fast Recovery time after condensation
- Long-Term Stability of <0.5%RH per year
- Compact size and easy mounting
- Low cost
- Fast response time
- Digital interface (I2C)
- RoHS/REACH directive compliant



Applications

- Anti-Defogging system in vehicle
- Temperature and Humidity sensor

Specification

Part Number	Specification
DDF033A001	Supply voltage : 5.0 ±5% VDC
	Operating Temp. : -40°C ~ 105°C
	Storage Temp. : -40°C ~ 120°C
	Accuracy
	- Humidity : Typ.±2.0%RH @15~90%RH
	- Ambient Temp. : Typ.±0.3°C @5~60°C
	- Glass Temp. : Max.±0.3°C @5~60°C
	Connector : KET MG 651439

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