



Auto Defog Sensor

Overview

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

Features

- Accurate measurements of %RH, ambient temperature & 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

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	