

Anti-fogging / auto-defrost sensor

SAAF series



Features

- Compact design to ease design-in in densely populated space
- Easy assembly thanks to angled connector
- Flexible installation with bracket or tape mounting
- Customer-specific solutions

To provide optimal visibility and enhance driver safety the windshield needs to be defogged automatically. Our sensor measures relative humidity and temperature on the inside of the windshield, enabling the HVAC system to actively prevent fogging. While providing state-of-the-art performance, it has been engineered to our customers' ease-of-use: its small footprint allows it to be placed at the best position for optimum system performance in the densely populated area at the rear-mirror socket. The angled connector allows for assembly on the manufacturing line.

Specifications

SAAF series specifications	
Relative humidity	Range 0-100 % Response time < 10 sec (0-60°C)
Temperature	Range -40 to +85°C Accuracy ±0.8°C
Dew point temperature	Range -40 to +85°C Accuracy ± 1°C at 0 to 15°C, 60-100% RH ± 1.5°C at -20 to +25°C, 35-100% RH
Electrical interface	LIN 2.2, 19.2 kBd
Supply current	< 2mA
Supply voltage	9-16V
Dimensions	30 mm × 19 mm × 12.6 mm