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Technical Bulletin

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Subject:

RS4 – Radar Sensor

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Ref.:

Enclosures:

RS4 – Radar Sensor

Short Description

The RS4 is an advanced driver assistant system, to warn the driver of the ego vehicle against potential collisions with other road users to the side and/or to the rear of the ego vehicle.

This system is not meant to encourage aggressive driving. The absence of a warning will not guarantee the absence of other road users. Responsibility for the safe operation of the vehicle remains with the driver.

The system consists of two radar sensor units which are mounted behind the rear bumper in the left and right rear corners of a vehicle so that the rear and the sides of the vehicle can be observed.

Technical data

Part Number	RS4
Supply voltage	+9 V ... +16.5 V
Supply current	approx. 0.22 A
Frequency band	24050 MHz ... 24250 MHz
Modulation bandwidth	< 200 MHz
Modulation	FMCW
EIRP average	< +12.7 dBmW
EIRP peak	< +20 dBmW
Antenna Type	Microstrip patch array
Transmit Antenna Gain	approx. 9 dBi
Operating Temperature Range	-40°C ... 85°C
Number of PCBs	1
Dimensions	110 * 75.1 * 24.7 mm
Volume	< 205 cm ³
Weight	< 130 g
Housing Material	Plastic

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