

Front radar

The new radar sensor generation for greater comfort, safety and automated driving

Precise, fast and robust detection of objects and people



high-precision

object detection and tracking

60 % lighter

than the preceding generation

wide field of view

- ▶ Detection of position, relative speed and direction of motion with only one radar measurement thanks to chirp-sequence modulation
- ▶ Suitable for NCAP (AEB Car-to-Car Rear, AEB Pedestrian, AEB Cyclist) as well as partially automated driving
- ▶ Improved comfort for adaptive cruise control (ACC) up to 210 km/h



BOSCH

Invented for life

TECHNICAL CHARACTERISTICS

Frequency range		76 to 77 GHz
Detection range		up to 210 m
Field of view	horizontal	± 60°
	vertical	± 15°
Key performance indicators	Range accuracy, resolution	0.1 m, 0.2 m
	horizontal angle accuracy, separability	0.1°, 3.0°
	vertical angle accuracy, separability	0.2°, 6.0°
	Velocity accuracy, resolution	0.05 m/s, 0.1 m/s
Interfaces and power	Data	1 x CAN-FD, 1 x CAN-FD, Flexray or 100BaseT1 Ethernet
	Power consumption	< 4 W
Mechanics	Box size	63 x 72 x 19 mm