



PRODUCT INFORMATION

Radar sensor lane assist

- HELLA is the first manufacturer to receive CAPA approval to participate in the Tier 1 Verification Program for its Radar Sensor range
- Range products pioneer in the field of 24 GHz automotive radars for rear applications; first company with rear applications on the market
- Successful series production development with over 80 series at 13 OEMs and more than 11 million sensors manufactured to date

CAPA TIER1 VERIFICATION PROGRAM / PRODUCT FEATURES

HELLA is pleased to announce that it is the first manufacturer to receive CAPA approval to participate in Tier 1 Replacement Parts Verification Program for its Radar Sensor product range, which is only available to Tier 1 suppliers who also produce an in-house, alternately branded version of car company original (CCO), or car company service (CCS) parts used for automotive repair.

CAPA Tier 1 Verified HELLA Radar Sensors comply with all applicable federal regulations. These efforts help to ensure no differences when a supplier changes production from manufacturing the car company parts to the Tier 1 branded version of the part identified by the CAPA Tier 1 Verified label.

The HELLA 24 GHz radar sensors allow vehicle manufacturers offering their customers driver assistance systems in all automotive segments, even in compact class.



Blind spot monitoring

This function monitors the area in the driver's blind spot and warns of dangerous situations when changing lanes.

Lane change assistant

The lane change assistant makes driving safer by warning if a lane change might be unsafe. A warning distance of 70 meters gives the driver enough time to give up the lane change. This function ensures maximum safety when driving on highways.

Rear pre-crash system

The rear pre-crash system tracks vehicles approaching from behind and, in the event of an imminent collision, pre-activates safety measures such as airbags, seat belts, etc.

Vehicle exit assistant function

The vehicle exit assistant monitors the area to the right and left of the car doors; both, on the driver and the passenger sides, in the front and back. The function warns the occupants if the car door cannot be opened safely.

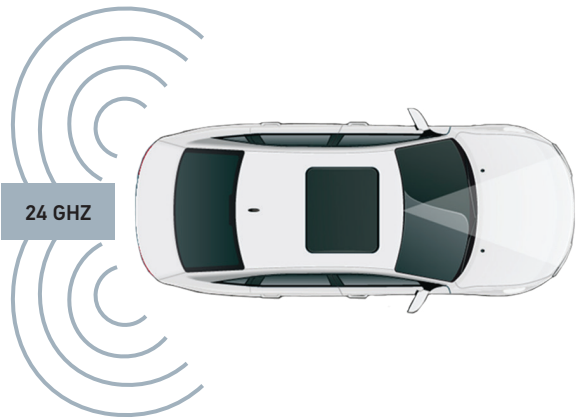
DRIVER ASSISTANCE SYSTEMS



BLIND SPOT DETECTION
Identifies and warns of approaching vehicles
in blind spot



Identifies and warns of approaching vehicles
from afar



24 GHz Radar

ADVANTAGES

- Single PCB solution with cost-optimised system architecture realisation of robust end customer-valued function packages based on 24 GHz (e.g. lane change assist, blind spot detection, ...)
- Optimised detection and separation of relevant objects
- Reduced sensor size and weight, significant package reduction
- Best sensor vehicle integration solutions with optimal RADAR behavior behind dashboard

TECHNICAL DETAILS

Technical data	
Features	<ul style="list-style-type: none">→ 4th Generation of 24 GHz (NB) mid-range radar sensors→ Fast chirp modulation principle provides higher functional object detection performance→ Single BICMOS MMIC with integrated IF→ HELLA platform approach maximises synergies in current 24 GHz and 77 GHz radar RADAR developments→ More than 10 million sensors produced to date
Weight	< 150 g
Frequency	24.125 GHz
Field Of View	140°

RADAR SENSOR LANE ASSIST

Product features, specifications and availability are subject to change without notice.

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