



# 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"><li>→ 4th Generation of 24 GHz (NB) mid-range radar sensors</li><li>→ Fast chirp modulation principle provides higher functional object detection performance</li><li>→ Single BiCMOS MMIC with integrated IF</li><li>→ HELLA platform approach maximises synergies in current 24 GHz and 77 GHz radar RADAR developments</li><li>→ More than 10 million sensors produced to date</li></ul>
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.

#### **HELLA Automotive Sales, Inc.**

611 Highway 74 S, Suite 102

Peachtree City, GA, 30269

Tel.: +1 (877) 224-3552

Fax: +1 (770) 631-7574

[www.hella.com/us/](http://www.hella.com/us/)

[www.myhellalights.com](http://www.myhellalights.com)