Features (continued)

- Improved electrical strength of the probe pins between -1V...32V
- Blackening protection
- Inverse pump current capability
- Digitalized signal output
- 3.3V/5V SPI communication
- ESD performance: 200V for all pins, 4KV HBM for sensor pins, 750V CDM for corner pins
- EMC performance in accordance to BISS norm
- Reduced operating current consumption of the pin VDD (<50mA)
- Compact package: QFN36 or TQFPepad32

Maximum ratings

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Pin</td>
<td>28V</td>
</tr>
<tr>
<td>Static</td>
<td>1ms; 1Hz: 35V</td>
</tr>
<tr>
<td>Dynamic (without destruction)</td>
<td></td>
</tr>
<tr>
<td>Sensor pin(without destruction)</td>
<td>32V</td>
</tr>
<tr>
<td>Temperature Range (T_{Junction})</td>
<td>-40° ... 150°C</td>
</tr>
</tbody>
</table>

General Description

The CJ135 is designed to operate and diagnose the Bosch wide band Lambda sensors LSU 4.9. or LSU ADV inside an ECU (electronic control unit for Diesel or Gasoline engines).

In addition, the CJ135 fulfills the requirements for operation of the NTK sensor ZFAS-U2 as defined in the common requirement specification of NTK and Bosch. However, due to its enlarged functionality and different housing the CJ135 is not pin-compatible to CJ125.

Customer Benefits

- For use with Bosch or NTK Probes
- Digital signal output
- Available in compact package

Features

- Enhanced diagnostics capability (OBD II conform)
- Extended Ri- (temperature) measurement range till 6kOhm