

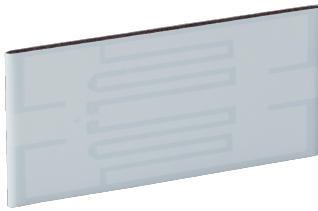


# UHF Transponder, label, On-Metal, global

UHF transponders

RFID TRANSPONDERS

**SICK**  
Sensor Intelligence.



### Ordering information

| Type                                     | part no. |
|--|----------|
| UHF Transponder, label, On-Metal, global | 6087787  |

Other models and accessories → [www.sick.com/UHF\\_transponders](http://www.sick.com/UHF_transponders)

### Detailed technical data

#### Features

|                                      |  |        |                     |        |                     |               |                      |
|--------------------------------------|--|--------|---------------------|--------|---------------------|---------------|----------------------|
| <b>Product segment</b>               | RFID transponders, RFID  |        |                     |        |                     |               |                      |
| <b>Product</b>                       | UHF transponders   |        |                     |        |                     |               |                      |
| <b>Scope</b>                         | Marking of metal parts   |        |                     |        |                     |               |                      |
| <b>Frequency band</b>                | UHF (860 MHz ... 960 MHz)  |        |                     |        |                     |               |                      |
| <b>Carrier frequency</b>             | 865 MHz ... 928 MHz  |        |                     |        |                     |               |                      |
| <b>Design</b>                        | Rectangular  |        |                     |        |                     |               |                      |
| <b>Housing material</b>              | Plastic PBT (polyester)  |        |                     |        |                     |               |                      |
| <b>Ambient operating temperature</b> | -20 °C ... +85 °C <sup>1)</sup>  |        |                     |        |                     |               |                      |
| <b>Storage temperature</b>           | -20 °C ... +85 °C  |        |                     |        |                     |               |                      |
| <b>Housing color</b>                 | White  |        |                     |        |                     |               |                      |
| <b>IC type</b>                       | NXP UCODE 9xm  |        |                     |        |                     |               |                      |
| <b>Storage capacity</b>              | 128/752 bits (EPC / User Memory), 256/624 bit (EPC / User Memory), 496/384 bit (EPC / User Memory)   |        |                     |        |                     |               |                      |
| <b>IC data retention time</b>        | < 20 years   |        |                     |        |                     |               |                      |
| <b>Mounting method</b>               | Self-adhesive  |        |                     |        |                     |               |                      |
| <b>Dimensions (W x H x L)</b>        | 25 mm x 1.8 mm x 54 mm   |        |                     |        |                     |               |                      |
| <b>Weight</b>                        | 2.5 g  |        |                     |        |                     |               |                      |
| <b>Reading range</b>                 | <table> <tr> <td>RFU61x</td> <td>20 cm <sup>2)</sup></td> </tr> <tr> <td>RFU62x</td> <td>70 cm <sup>2)</sup></td> </tr> <tr> <td>RFU63x/RFU65x</td> <td>400 cm <sup>2)</sup></td> </tr> </table> | RFU61x | 20 cm <sup>2)</sup> | RFU62x | 70 cm <sup>2)</sup> | RFU63x/RFU65x | 400 cm <sup>2)</sup> |
| RFU61x                               | 20 cm <sup>2)</sup>  |        |                     |        |                     |               |                      |
| RFU62x                               | 70 cm <sup>2)</sup>  |        |                     |        |                     |               |                      |
| RFU63x/RFU65x                        | 400 cm <sup>2)</sup>   |        |                     |        |                     |               |                      |

<sup>1)</sup> Max. temperature at which the RFID transponder can interact with the RFID read/write device.

<sup>2)</sup> Typical value; actual value depends on environmental conditions.

#### Classifications

|                     |          |
|---------------------|----------|
| <b>ECLASS 5.0</b>   | 27280401 |
| <b>ECLASS 5.1.4</b> | 27280401 |
| <b>ECLASS 6.0</b>   | 27280401 |
| <b>ECLASS 6.2</b>   | 27280401 |
| <b>ECLASS 7.0</b>   | 27280401 |
| <b>ECLASS 8.0</b>   | 27280401 |
| <b>ECLASS 8.1</b>   | 27280402 |

|                       |          |
|-----------------------|----------|
| <b>ECLASS 9.0</b>     | 27280402 |
| <b>ECLASS 10.0</b>    | 27280402 |
| <b>ECLASS 11.0</b>    | 27280402 |
| <b>ECLASS 12.0</b>    | 27280402 |
| <b>ETIM 5.0</b>       | EC002593 |
| <b>ETIM 6.0</b>       | EC002998 |
| <b>ETIM 7.0</b>       | EC002998 |
| <b>ETIM 8.0</b>       | EC002998 |
| <b>UNSPSC 16.0901</b> | 52161523 |

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)