

SICK.COM



DATA SHEET

HF Transponder, Paper label

HF transponders
RFID transponders

SICK Sensor Intelligence

RFID TRANSPONDERS

HF Transponder, Paper label

ORDERING INFORMATION

Type	part no.
HF Transponder, Paper label	6087790

Further device versions and accessories at www.sick.com/HF_transponders



Illustration may differ

DETAILED TECHNICAL DATA

FEATURES

Product segment	RFID transponders, RFID								
Product	HF transponders								
Scope	Marking of small load carriers (SLC) and universal storage and transport containers								
Frequency band	HF (13.56 MHz)								
Design	Rectangular								
Housing material	Paper								
Ambient operating temperature	-40 °C ... +85 °C ¹⁾								
Storage temperature	-40 °C ... +85 °C								
Housing color	White								
IC type	NXP ICODE SLIX								
Storage capacity	896 Bit (28 x 4 Byte) (User Memory)								
IC data retention time	< 10 years								
Mounting method	Self-adhesive								
Dimensions (W x H x L)	36 mm x 0.42 mm x 18 mm								
Weight	+ 1 g								
Reading range	<table border="0"> <tbody> <tr> <td>RFH505</td> <td>2 cm ²⁾</td> </tr> <tr> <td>RFH510</td> <td>3.5 cm ²⁾</td> </tr> <tr> <td>RFH515</td> <td>5 cm ²⁾</td> </tr> <tr> <td>RFH620</td> <td>5.5 cm ²⁾</td> </tr> </tbody> </table>	RFH505	2 cm ²⁾	RFH510	3.5 cm ²⁾	RFH515	5 cm ²⁾	RFH620	5.5 cm ²⁾
RFH505	2 cm ²⁾								
RFH510	3.5 cm ²⁾								
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RFH620	5.5 cm ²⁾								

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

²⁾ Typical value; actual value depends on environmental conditions.

RFH630 12 cm²⁾

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

²⁾ Typical value; actual value depends on environmental conditions.

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/6087790



SICK AG
WALDKIRCH
GERMANY
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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