



DATA SHEET

UHF Transponder, rectangular, on-metal, global

UHF transponders
RFID transponders

SICK Sensor Intelligence



RFID TRANSPONDERS

UHF Transponder,
rectangular, on-
metal, global

ORDERING INFORMATION

Type	part no.
UHF Transponder, rectangular, on-metal, global	6052346

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

DETAILED TECHNICAL DATA

FEATURES

Accessory group	UHF transponders
Description	UHF transponder, global, thermoplastic, 51.5 mm x 47.5 mm x 10 mm, Impinj Monza 4 QT
Specialty	On Metal, High Temperature
Frequency band	UHF (860 MHz ... 960 MHz)
Carrier frequency	865 MHz ... 928 MHz
Read range	
	RFU61x 30 cm ¹⁾
	RFU62x 70 cm ¹⁾
	RFU63x/RFU65x 350 cm ¹⁾
Design	Rectangular
Housing material	Thermoplastic
Ambient operating temperature	-40 °C ... +85 °C
Storage temperature	-40 °C ... +85 °C
Housing color	Gray
IC type	Impinj Monza 4QT
IC capacity	128/512 Bit
IC data retention time	< 50 years
Mounting method	Screws, Rivets
Dimensions (W x H x L)	51.5 mm x 10 mm x 47.5 mm
Weight	+ 22 g

¹⁾ Typical value; actual value depends on environmental conditions.

INSTRUCTION FOR INSTALLATION



- ① Leave the mounting surface in this area near to the transponder free. Free surface should be metal.
- ② Mounting on even metal surface with full contact of the underside of the transponder on the metal.

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/6052346



SICK AG
WALDKIRCH
GERMANY
SICK.COM

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

SICK
Sensor Intelligence