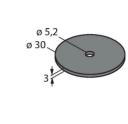


# TW-R30-K2 HF Tag



#### Technical data

TW-R30-K2
6900506
Not suitable for direct mounting on metal
Inductive coupling
HF RFID
13.56 MHz
FRAM
Fujitsu MB89R118
2048 Byte
Read/Write
2000 Byte
unlimited
10 <sup>10</sup>
0.5 ms/Byte
0.5 ms/Byte
ISO 15693 NFC Typ 5
10 mm
-40+85 °C
-40+90 °C
140 °C, 1 × 100 h
Hard tag, R30
30 mm +/- 0.5 mm
5.2 mm +/- 0.3 mm
3 mm +/- 0.5 mm



#### Features

- The tags must undergo adequate stress tests within the proposed temperature processes before deployment.
- The following stress test was performed on this tag:
- Cyclic temperature stress: 5 min at -40 °C 5 min at 90 °C
- Number of tested cycles: 100, transition period: 30 seconds
- Continuous load: 140 °C for 100 hours This successfully performed test does not imply suitability for a specific application, but merely serves as proof of the basic
- usability.
- FRAM memory 2 kB
- Not for direct mounting on metal

### **Functional principle**

The HF read/write devices operating at a frequency of 13.56 MHz form a transmission zone the size of which (0...500 mm) varies, depending on the combination of read/write head and tag used.

The read/write distances mentioned here only represent standard values measured under laboratory conditions, free from any influences caused by surrounding materials. The read/write distances of tags suitable for

mounting in/on metal were determined in/on metal.

Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal). Testing of the application under real operating conditions is therefore essential, especially with on-the-fly reading and writing!



## Technical data

Housing material	Plastic, PA6
Active area material	Plastic, PA6, black
Tightening torque	≤ 6.5 Nm
Protection class	IP69K
Packaging unit	1