TUMBLER

30

Compact ceramic high-temperature UHF RFID tag

A 10 × 5 × 3 mm RFID tag for high-temperature metal-asset identification; validate the full thermal cycle and installation method.

FORM FACTOR

10 × 5 × 3 mm

Ceramic / 1.4 g

REFERENCE RANGE

Up to 3 m on metal

selection reference; application-dependent

RFID PLATFORM

IC: confirm option

Memory: 96-bit EPC / 512-bit user memory

TUMBLER HIGH-TEMPERATURE PLATFORM

Thermal-survival construction

Exposure rating is not the same as continuous operating temperature.

FEATURES & BENEFITS

01 High-temperature package

Designed for thermal-cycle identification after qualification.

02 Installation options

Adhesive / epoxy

03 Reference read range

Up to 3 m on metal; validate the installed application.

04 Qualification boundary

Qualification pending

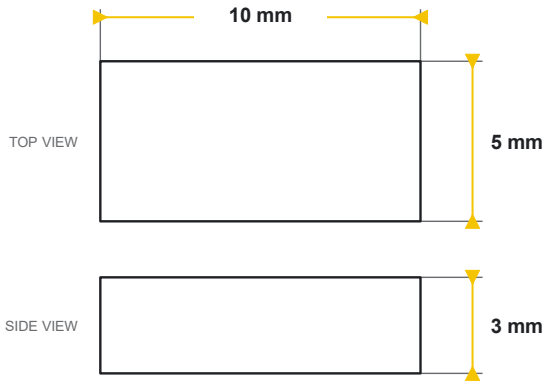
READ RANGE IS A REFERENCE RESULT — NOT A DEPLOYMENT GUARANTEE.

Actual results depend on reader, antenna, mounting surface, orientation, asset geometry and RF environment.

TUMBLER 30 / TECHNICAL SPECIFICATION

Compact ceramic high-temperature RFID tag

MECHANICAL PROFILE



Proportional external envelope. Holes, radii and tolerances: refer to the approved production drawing.

RFID & MECHANICAL SPECIFICATION

Product dimensions	10 × 5 × 3 mm
Material / weight	Ceramic / 1.4 g
Frequency versions	866–868 MHz / 902–928 MHz | ISO 18000-6C
RFIC / EPC memory	Confirm production configuration | 96-bit EPC / 512-bit user memory
Recommended mounting	Adhesive / epoxy
Construction	Thermal-survival construction

REFERENCE PERFORMANCE & APPLICATION BOUNDARY

ON METAL

Up to 3 m on metal

Selection reference; validate reader, antenna, substrate and orientation.

HEAT EXPOSURE

Up to 250°C

Cool before reading; qualify dwell time and cycles.

RF OPERATION

-40°C to 85°C

Qualification pending

FOR A VALIDATED RECOMMENDATION

Share asset material, geometry, country of use, reader/antenna, target distance and installation constraints.