

Unit T

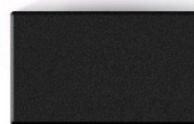
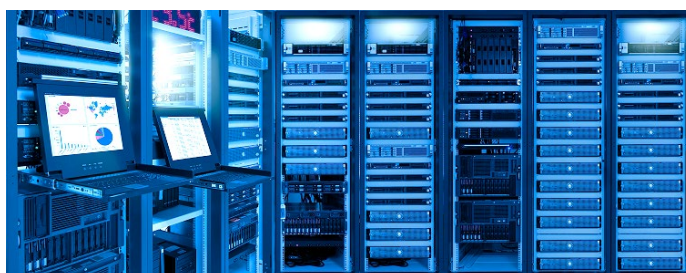
The Unit T is a classic size, high temperature and high-performance UHF RFID tag, it's optimized for placement on metal assets such as tool tracking, IT asset tracking and parts management, The Unit T tag has an excellent performance with the read range of up to 3 meter that enables automatic tracking for improved productivity.

APPLICATIONS

- IT assets management
- Hand tool tracking
- Jig management

FEATURES

- Compact size for smaller applications
- Excellent performance of up to 3 meters
- High temperature range
- Exceptional Durability



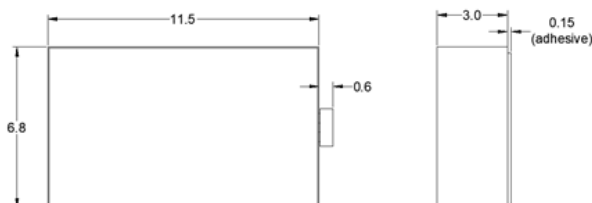
RF Specifications

RF protocol	ISO18000-6C, EPC Class 1 Gen2	
Operating frequency	865-868MHz (EU); 902-928MHz (US)	
Chip type	Higgs 9	UCODE 8
Memory configuration	96-Bits EPC (extensible to 496b) 688-Bits User 64-Bits Unique TID	128-Bits EPC 48-Bits Unique TID
Data retention	50 years at operation temperature	
Read range on metal (2W ERP) ¹	Up to 3.0 M (10 ft)	
Read range off metal (2W ERP) ¹	Limited	
Polarization	Linear	

¹Read ranges are achieved by lab testing methodology, the read range will vary with output power of reader and applications.

Physical Specifications

Tag Materials	Ceramic
Color	Painted Black
Dimensions	12 x 6.8 x 3.2 ±0.15mm (0.46 x 0.27 x 0.126 ±0.008in)
Weight	0.04 oz (1.14 g)



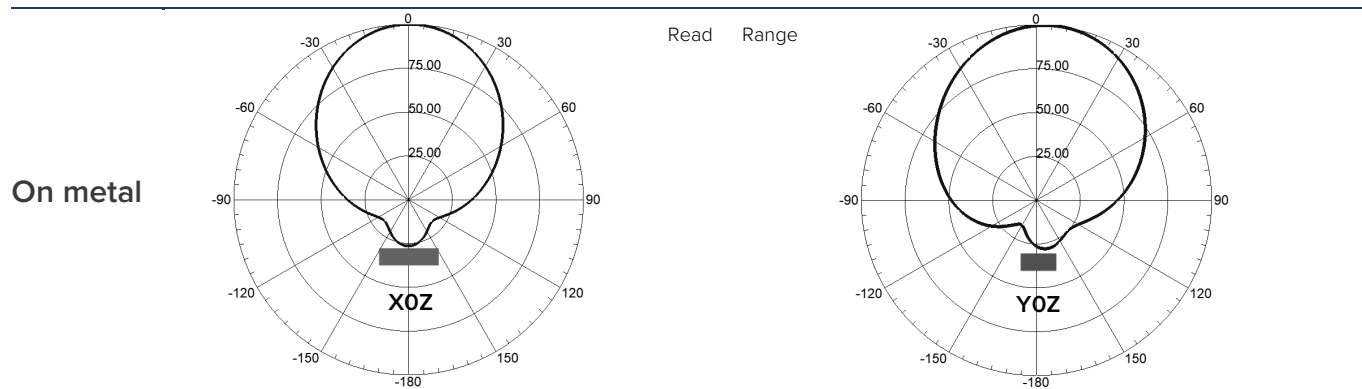
Operational and Environmental Specifications

Operational temperature	-40°F (-40°C) to +185°F (+85°C)
Survivability temperature	-40°F (-40°C) to +392°F (+200°C)
Operational humidity	5% to 95% non-condensing
IP Rating	IP68 at 20°C, 13.2 ft (4 m) 48 hours tested
Shock and Vibration	MIL STD 810-G
Drop spec	Multiple drops to concrete: 4 ft./1.2 m across the operating temperature range
Withstands exposure to	Salt water, Bleach, Cleaning solutions Formic acid, Gasoline, Oil

Mounting System

Adhesive fixings	- VHB Tape (Std) - Epoxy
Others	- Injection moulding - Heat-shrinkable tubing

Radiation Pattern



Order Information

WJT-C0200-1	Unit T EU
WJT-C0200-2	Unit T US

Others

Options	Encoding, Labelling, Printing
Warranty	1 year

The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience and the pictures and illustrations presented in this document are for illustration purposes only. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use.

