

## RTEC Proton™



- High value spare parts
- Crucial materials or objects
- Expensive electronic devices
- Embedded

### Environmental Specifications

Operating Temperature	-30°C to +85°C
Ambient Temperature	-30°C to +200°C
IP Classification	IP68
Shock and Vibration	MIL STD 810-F
Certifications	CE approved RoHS approved ATEX/IECEx certified
Warranty	1 year

### Customization Options

#### Encoding

Pre-encoding based on customers' specification, including EPC, User memory and other requests.

#### Appearance

Customized appearance design, including logo, barcode, text on the PET label etc.



### Mechanical Specifications

Tag Materials	Ceramic
Surface Materials	Durable Paint
Dimensions	2.1 x 2.1 x 6.8 mm
Weight	0.2 g
Attachment	Industry grade adhesive High performance epoxy resin
Color	Customized colors are available

### RF Specifications

RF Air Protocol	EPC Global Class 1 Gen2 ISO18000-6C
Operating Frequency	UHF 866-868 MHz (ETSI) UHF 902-928 MHz (FCC)
Environment Compatibility	Optimized on metal
Read Range	Max up to 1.5 m (on metal)
Polarization	Linear
IC Type	Impinj R6-P
Memory Configuration	EPC 128bit TID 96bit User 32bit

\*Read ranges indicated in this datasheet is achieved by using our standard testing methodology. Actual performance will be different if different reader hardware and output power is applied.

### Order Information

Product #	RTEC2050301
Product Name	RTEC SS-21 ETSI
Product #	RTEC2050302
Product Name	RTEC SS-21 FCC

#### RTEC Singapore

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