

## RTEC Steelcode™



- High value spare parts
- Crucial materials or objects
- Autoclave
- Painting process

### Environmental Specifications

Operating Temperature	-30°C to +85°C
Ambient Temperature	-30°C to +300°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	PA6+GF
Dimensions	13 x 38 x 7.7 mm
Weight	7.4 g
Attachment	Rivet hole $\Phi$ 3.4 mm
Color	High performance epoxy resin Black by default

### 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	Up to 6.5 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 #	RTEC7020301
Product Name	RTEC Steelcode ETSI
Product #	RTEC7020302
Product Name	RTEC Steelcode FCC

#### RTEC Singapore

57 Mohamed Sultan Road  
#01-05 Sultan Link  
Singapore 238997

#### RTEC China

L3 Enterprise accelerator B,  
Scientific innovation District,  
MianYang City  
Sichuan, China 621000

