

RTEC Promass Micro™



- High value spare parts
- Crucial materials or objects
- Heavy machinery identification
- Oil and gas industry

Environmental Specifications

Operating Temperature	-30°C to +85°C
Ambient Temperature	-30°C to +320°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	Stainless Steel
Surface Materials	PEEK
Dimensions	Φ24.2 x 8.5 mm
Weight	15.5 g
Attachment	Industry epoxy resin
Color	Welding Silver and 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 3 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 #	RTEC4040311
Product Name	RTEC Promass Micro ETSI
Product #	RTEC4040312
Product Name	RTEC Promass Micro FCC

RTEC Singapore

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