

TMP1603C UHF RFID On-metal Tag Datasheet

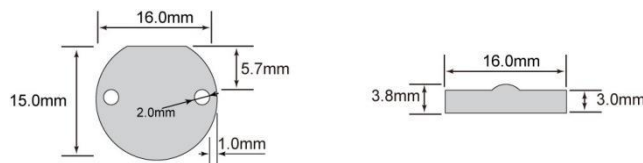


Performance Characteristics

Protocol:	EPC Class1 Gen2, ISO18000-6C
Operating Frequency	902-928MHz/865-868MHz
Chipset:	Alien Higgs-3
Memory:	EPC 96bits (extendible to 480bits) ,User 512bits, TID 64bits
Re-writing cycles:	100,000 cycles
Functionality:	Read/Write
EEPROM data retention:	50 years
Applications:	Metal surface, asset tracking
Reading range: (With 4W fixed reader)	2.6m, on metal surface, 902-928MHz 2.0m, on metal surface, 865-868MHz
Reading range: (With 2W handheld reader)	1.6m, on metal surface, 902-928MHz 1.5m, on metal surface, 865-868MHz
Warranty period:	1 year

Physical Characteristics

Dimension:	Φ16mm, (hole diameter: Φ2mm)
Thickness:	3.0mm (not including chip height) 3.8mm (including chip height)



Material:	FR4 (PCB)
Color:	Black
Installation method:	Adhesive or screw
Weight:	1.5g/pc
Environmental Characteristics	
IP rating:	IP68
Storage Temperature:	-40°C to +150°C
Operating Temperature:	-40°C to +100°C