

## TMP180902 UHF RFID On-metal Tag Datasheet



<b>Performance Characteristics</b>	
Protocol:	EPC Class1 Gen2, ISO18000-6C
Operating Frequency	902-928MHz
Chipset:	R6P
Memory:	EPC 128bits
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)	2.0m, on metal surface, 902-928MHz
Reading range: (With 2W handheld reader)	1.3m, on metal surface, 902-928MHz
Warranty period:	1 year
<b>Physical Characteristics</b>	
Dimension:	18mm x 9mm x 3mm
Thickness:	2.2mm (not including chip height) 3.0mm (including chip height)
Material:	FR4 (PCB)
Color:	Black
Installation method:	Adhesive
Weight:	1.5g/pc
<b>Environmental Characteristics</b>	
IP rating:	IP65
Storage Temperature:	-40°C to +120°C
Operating Temperature:	-40°C to +100°C