

TMC2509 UHF RFID On-metal Tag Datasheet

	
Performance Characteristics	
Protocol:	EPC Class1 Gen2, ISO18000-6C
Operating Frequency	902-928MHz
Chipset:	H3
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)	4.2 m, on metal surface, 902-928MHz
Reading range: (With 2W handheld reader)	2.9 m, on metal surface, 902-928MHz
Warranty period:	1 year
Physical Characteristics	
Dimension:	25mm x 9mm x 3mm
Material:	Ceramic
Color:	Black
Installation method:	Adhesive
Weight:	3.8g
Environmental Characteristics	
IP rating:	IP68
Storage Temperature:	-40°C to +150°C
Operating Temperature:	-30°C to +85°C