


TME4631 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)	6.0 m, on metal surface, 902-928MHz
Reading range: (With 2W handheld reader)	2.5 m, on metal surface, 902-928MHz
Warranty period:	1 year
Physical Characteristics	
Dimension:	46mm x 31mm x 7.5mm
Material:	ABS
Color:	Gray
Installation method:	Screw
Weight:	21.0g
Environmental Characteristics	
IP rating:	IP65
Storage Temperature:	-40°C to +200°C
Operating Temperature:	-25°C to +95°C
Reliability testing	
High-temp:	15 consecutive days at 230°C
Alcohol:	Withstand 95% alcohol concentration
Gasoline:	Withstand mid-grade gasoline wipe
High/Low temp alternation:	7 cycles -40°C~+150°C alternative testing, totally 2 days
Ultrasonic cleaning:	PASSED

IP rating:	IP68
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