


TW5512 UHF RFID Laundry Tag Datasheet

	
Performance Characteristics	
Protocol:	EPC Class1 Gen2, ISO18000-6C
Operating Frequency	902-928MHz
Chipset:	U8
Memory:	EPC 128bits
Re-writing cycles:	100,000 cycles
Functionality:	Read/Write
EEPROM data retention:	50 years
Applications:	Laundry or other non-metal surface, often used for multi-cycle washing.
Reading range: (With 4W fixed reader)	5.0m, on non-metal surface, 902-928MHz
Reading range: (With 2W handheld reader)	3.0m, on non-metal surface, 902-928MHz
Warranty period:	1 year or 200 cycles industrial washing
Physical Characteristics	
Dimension:	55mm x 12mm x 1.5mm
Material:	Textile
Color:	White
Installation method:	Sewing
Weight:	0.6g/pc
Environmental Characteristics	
IP rating:	IP65
Storage Temperature:	-40°C to +85°C
Operating Temperature:	-20°C to +110°C
Short-time peak temperature :	1) Washing: 200 cycles at 90°C, each cycle 15 mins. 2) Convertor pre-drying: 200 cycles at 180°C, each cycle 30 mins. 3) Ironing: 200 cycles at 180°C, each cycle 30 mins. 4) Heat sterilization: 20 mins at 135°C.
Storage humidity:	5%~95%
Pressure:	60 bars
Chemical performance:	Sustain all chemicals used for ordinary industrial washing.