

IronTag 206F UHF MX 2kbit

Description

IronTag® UHF transponders deliver exceptional performance on metal surfaces. Extremely durable, they are built to withstand vibration, shock, chemical exposure and fluctuating temperatures. Designed for tracking aircraft parts, IronTag devices tolerate the harsh conditions of vehicle and equipment manufacturing, processing and operation. IronTag 206 units provide up to 8 KBytes of user memory and deliver the highest flame resistance rating available.

Specification

Chip Type	UHF
Shape	Square
Size	33.70 × 31.10 × 6.10 mm
Total Memory	8 Kbytes



TECHNOLOGY HIGHLIGHTS:

- 869 or 915 MHz
- 512 bit read-write memory, 96 bit EPC
- Reliable performance on metal surfaces
- Waterproof (high pressure, high temperature washing); chemical, UV and flame resistant
- Thermal protection from -40° F (-40° C) to 428° F (220° C)
- Standards compliant

CHEMICAL AND MECHANICAL	
Water	IP69K, 176° F (80° C), 100 bar, 30 sek. 16 l/min
Withstands	Exposure To Fuel B, mineral oil, petroleum, salt mist, vegetable oil; UV (ISO 4892-2)
Environmental Test Conditions	68° F (20° C), 100 h
Flame resistance	UL 94 HB
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
Shock	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]
Axial / Radial Force	800 N / 500 N, 10 sec
THERMAL	
Storage	-40° to +194° F (-40° to +90° C), 1000 h
Operating	-40 °to +185° F (-40° to +85° C)
Shock/Fatigue	-40° to +194° F (-40° to +90° C), 100 x 5 min with 30 sec transition
Peak	356° F (180° C) 400 h , 392°F (200 °C) 6 h, 428°F (220 °C) 1 h
OTHER	
Standards	UHF EPC Class 1 Gen 2; ISO 18000-6C; DIN 40050-9; compatible with ATA Spec 2000 and SAE AS5678 specifications
Warranty	2 Year