

100-Series



**RF2ID**  
RADIO FREQUENCY TO IDENTIFICATION

## On-Metal Multi-Purpose Tag

### Description

The On-Metal Multi-Purpose Tag (100 series) has been specially designed to withstand the harshest environments. It is sealed providing 100% encapsulation, which gives excellent thermal, chemical and tamper resistance.

The unique design can accommodate many different tag types and styles which can be optimised to obtain the best possible performance, whatever the application. The exterior surface features a relief depicting a radio antenna to identify the 100 series as a communications device, whilst the smooth exterior and provision for flush fixings ensures that mounting is both easy and secure.

The 100 series is available in a variety of colours and weighs just 25g.



Part number	100-Series
IC Supported Standard	EPC™ Class 1 Gen 1, Gen 2; ISO 18000-6a EM4122
Operating Frequency	860—960 MHz (can be specifically matched to application)
EPC Memory	From 96 to 1k bits EPC user programmable
Tag ID Memory	32 bits factory pre-programmed (typical)
Data Retention	Typically 2 years @ +25° C
Operating Temperature	-40°C to +65°C
Operating Range	Application dependant ( typically 1m @ 0.5watt to 3m @ 2watt)
Length	138mm
Width	21mm
Thickness	16mm
Mounting Centres and Fixing Size	122mm centres with 4mm diameter fixings
Alternative/Additional Mounting	Underside recessed to allow adhesive bonding
Colour	Standard yellow, blue and black (other colours by request)
Chemical Resistance	Dilute acid and alkaline, water, oil, hydro chemicals

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