

iTAG500 Curv® - Intrinsically Safe UHF RFID Tag for curved metal surfaces



A high performance passive UHF RFID tag which can be deployed in all potentially explosive, harsh, wet, and corrosive environments

T4/T5/T6 -40°C ≤ Ta ≤ +80°C - dependant on RF reader power

ATEX II 1G Ex ia IIB Ga, II 2G Ex ia IIC Gb, I M1 Ex ia Ma

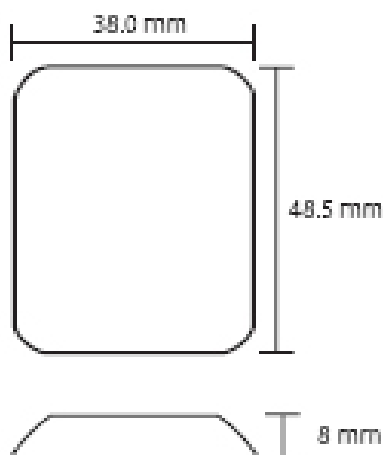
IECEX 1G Ex ia IIB Ga, 2G Ex ia IIC Gb, I M1 Ex ia Ma IP68

For fixed installation, rugged tags may also be used in Zone 0 IIC environments

Overview

The Extronics iTAG500 Curv is a small form factor RFID tag with superior on metal performance. The combination of its size, durable case design and foam adhesive makes it ideal for industrial applications where curved or contoured assets are in use. The unit is intrinsically safe and comes with a durable thermoplastic material encasement as standard.

Dimensions



Specification

	Curv
Read Range (m) ¹	Up to 5.0m (US) Up to 5.0m (EU) Up to 3.5m (JPN)
On Metal or Balanced	On Metal
Size (mm)	48.5 x 38.0 x 8.0
Size (in)	1.91 x 1.50 x 0.31
Weight (g)	9.6
Encasement	Durable Thermoplastic Material
Frequency Range (MHz)	902–928 (US) 865–868 (EU) 952–954 (JPN)
IC Type (chip)	Alien Higgs 3
User Memory (bits)	512
Operating Temperature (C)	-40 to +55 °C
IP Rating ²	IP68
Shock and Vibration ³	MIL STD 810-FBS EN 60068-2
Attachment	Industrial Foam Tape 3M PT1100

1. Quoted performance achieved using standard test methodology
2. Valid for curved surfaces with a radius greater than 5.1cm
3. Product designed to meet MIL STD 810-F and BS EN 60068-2.