



UHF RG-12 Label

Features

- Operates effectively with a very good read range when attached Off to metal surfaces
- Flexible Read/Write Range (reader dependent)
- Strong adhesive

Applications

With innovative antenna design and customized printing compatibility, the RG-12 Label is ideal for applications such as:

- Manufacturing
- Logistics
- Trolley/ Pallet Tracking
- Asset Tracking

Physical

Die-Cut Size in MM	98 x 12 ± 0.5
Antenna Size in MM	95 x 8 ± 0.5
Web Width in MM	110 ± .05
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Material	Coated Paper/ PET
Core Size	3" (76.2mm)

Electrical

Protocol	EPC Class 1 Gen 2
Antenna	Etched Aluminum
Operating Mode	UHF Passive
Operating Frequency	860-960MHz
IC Type	Alien Higgs 9
Memory	TID : 48 bits EPC : 96 - 496 bits User : Up to 688 bits
Data retention	50 years
Write endurance	100,000 cycles
Read Range*	• Up to 8 Meters from a Fixed Reader • Up to 4 Meter from a Handheld Reader

* Read Range is based on ERP of reader antenna

Customization Options

Encoding	Serialized or Variable
Printing	Barcode, QR Code, Logo Etc.
Adhesive	3M or Others (Depending upon volumes)
IC	Various Options Available, Depending upon Application
Versions	1. Paper/ Polyester Label 2. Wet Inlay