



## UHF RG-15 Label

### Features

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

### Applications

With innovative antenna design and customized printing compatibility, the RG-15 Label is ideal for applications such as:

- Automatic Vehicle Identification
- Logistics & Supply Chain
- Trolley/ Pallet Tracking
- Asset Tracking

### Physical

|                       |                   |
|-----------------------|-------------------|
| Die-Cut Size in MM    | 102 x 25 ± 0.5    |
| Antenna Size in MM    | 93 x 19 ± 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<br>EPC : 96 - 496 bits<br>User : Up to 688 bits                   |
| Data retention      | 50 years  |
| Write endurance     | 100,000 cycles  |
| Read Range*         | • Up to 10 Meters from a Fixed Reader<br>• Up to 5 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<br>(Depending upon volumes)                 |
| IC       | Various Options Available,<br>Depending upon Application |
| Versions | 1. Paper/ Polyester Label<br>2. With Security Die-Cuts   |