

## Slim Trak



### Functional Specifications

RF air protocol	EPC Class 1 Gen 2; ISO18000-6C
Operating frequency	UHF 860-930 MHz (Global)
IC type	Alien Higgs-3
Memory configuration	96-bit EPC; 512-bit user memory; 64-bit TID
Functionality	Read / write (user programmed)
Memory – expected read / write cycles	100,000 cycles at 77°F (25°C)
Data retention	Up to 50 years <sup>1</sup>
Warranty (limited)	1 year

### Performance Characteristics

Read range on-metal (2W ERP) <sup>2</sup>	Up to 6.5 ft (2 m)
Read range off-metal (2W ERP) <sup>2</sup>	Up to 4.9 ft (1.5 m)
Polarization	Linear

### Physical Specifications

Material	FR4
Mounting system	Adhesive (TESA 51972), epoxy (optional)
Color	Surface printing: Gray / Logo: Gloss white

### Environmental and Industry Compliance

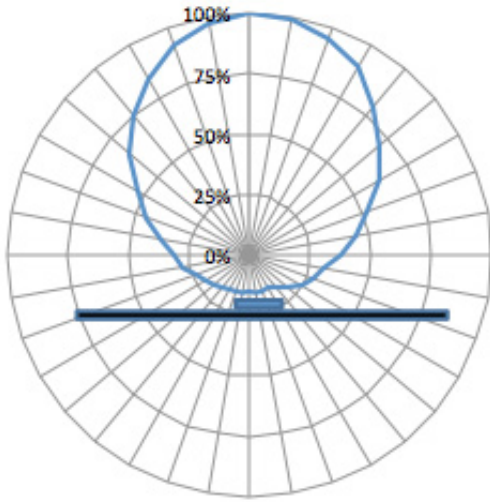
RoHS	EU Directive 2011/65/EU
CE	Approved



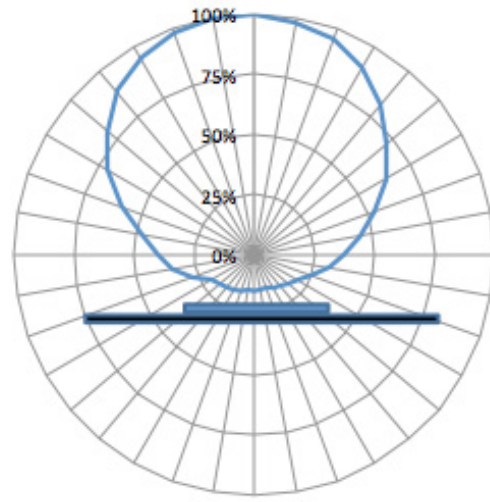
<sup>1</sup> The chip data retention is based on chip operating under general environment conditions.

<sup>2</sup> Actual read range may vary based upon use case and antenna power.

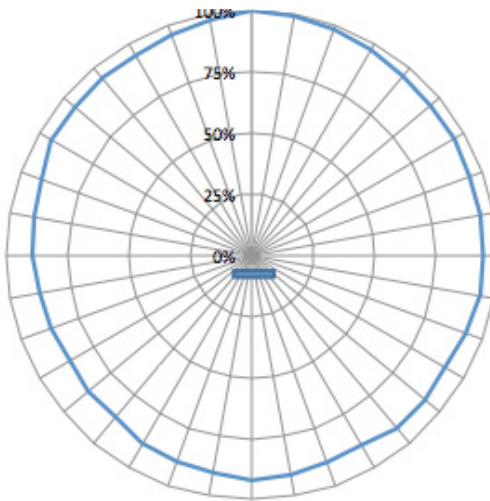
On metal - Horizontal



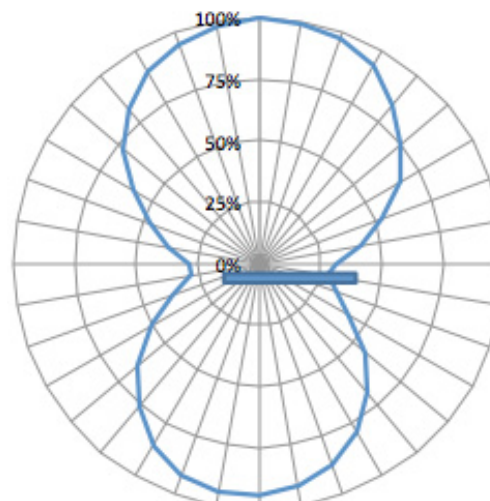
On metal - Vertical



Off metal - Horizontal



Off metal - Vertical



## Operational and Environmental Specifications

### Operational temperature

Cold	-40°F (-40°C)
Dry heat (Long term, days/weeks/years)	+185°F (+85°C)
Thermal shock	-40°F to 185°F (-40°C to +85°C); cycled

### Application temperature

Cold	-40°F (-40°C)
Dry heat (Short term, minutes/hours)	+302°F (+150°C)

### Humidity

Operational humidity	5%-95% non-condensing
Storage humidity	5%-95% non-condensing

### Shock and Vibration

MIL-STD-810F

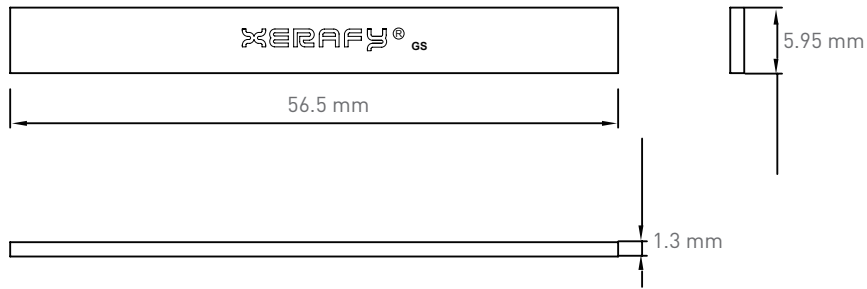
### Impact

2kg from 1m

### IP classification

IP68

## Product Dimensions and Weight



Dimensions (mm)	56.5 x 5.95 x 1.3
Tolerance	+/- 0.15
Dimensions (in)	2.22 x 0.234 x 0.0512
Tolerance	+/- 0.006
Weight	0.035 oz (1 g)

## Order information

X0320-GL001-H3	Slim Trak
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