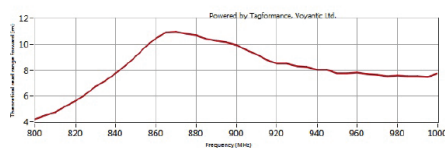
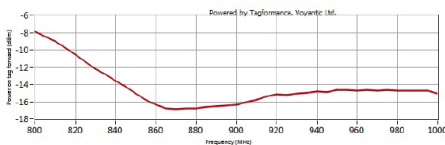


## FLEX OUTDOOR

### Technical Specifications

- **RF protocol** EPC Class1 Gen 2, ISO18000-6C
- **Frequency** 860-960 MHz (Global)
- **IC type (chip)**<sup>1</sup> Alien Higgs 3
- **Chip memory**<sup>2</sup> 96 bits EPC (Up to 480 bits); 64 bits TID; 512 bits user memory
- **Write cycles** 100,000 times
- **Read range fixed**<sup>3</sup> Up to 7.50 m, off metal
- **Read range handheld**<sup>3</sup> Up to 5 m, off metal
- **Polarization** Linear
- **Read range off metal**



### Key Features

- + **Flexible tag:** for curve surfaces
- + **Global freq:** worldwide compatibility
- + **7.5 m read range:** read from a distance
- + **IP68 rating:** waterproof

### Applications

- **Transportation and logistics**
- **Yard management**
- **RTI inventory**

### Environmental Specifications

#### Temperatures



- Operational -40°C to +85°C
- Survival -40°C to +100°C

#### Chemicals<sup>4</sup>



- 24h H<sub>2</sub>SO<sub>4</sub> (10% sulfuric acid)
- 24h HNO<sub>3</sub> (10% nitric acid)
- 24h H<sub>3</sub>PO<sub>4</sub> (20% phosphoric acid)
- 24h H<sub>2</sub>O<sub>2</sub> (25% hydrogen peroxide)
- 24h NaOH (10% sodium hydroxide)

- **IP rating** IP68
- **Compression strength** 213 psi (1470 kPa)
- **Shock** 1 m to concrete/granite

- **Vibration** MIL-STD-810G
- **Warranty** 1 year

<sup>1</sup> The chip data retention is up to 50 years, based on chip operating under general environment conditions.

<sup>2</sup> EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

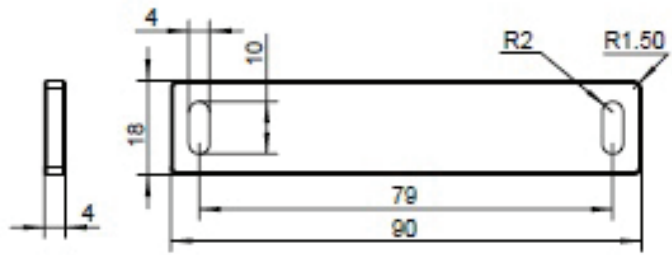
<sup>3</sup> Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.

<sup>4</sup> The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.



## Physical Specifications

- **Material** High-Elasticity Polymer
- **Dimensions (in)** 3.54 x 0.71 x 0.16
- **Dimensions (mm)** 90 x 18 x 4, hole: 10x4
- **Weight** 0.28 oz (8 g)



## Mounting Systems

- Zip ties, Cable ties
- Industrial adhesive (optional)

## Industry Compliance



## Order Information

Flex OUTDOOR: X0370-GL100-H3

## Customization Options

Encoding

ATEX Certified Version

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