FLEX OUTDOOR
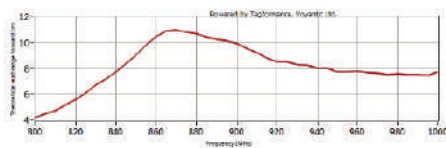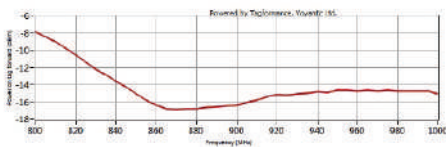
Technical Specifications

- **RF protocol** EPC Class1 Gen 2, ISO18000-6C
- **Frequency** 860-960 MHz (Global)
- **IC type (chip)**[1] Alien Higgs 3
- **Chip memory**[2] 96 bits EPC (Up to 480 bits); 96 bits TID; 512 bits user memory
- **Write cycles** 100,000 times
- **Read range** fixed[3] Up to 7.50 m, off metal
- **Read range** handheld[3] 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
  -40°F to +185°F
- Survival -40°C to +100°C
  -40°F to +212°F

Chemicals[4]

- 24h H_2SO_4 (10% sulfuric acid)
- 24h HNO_3 (10% nitric acid)
- 24h H_3PO_4 (20% phosphoric acid)
- 24h H_2O_2 (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

[1] The chip data retention is up to 50 years, based on chip operating under general environment conditions.
[2] EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.
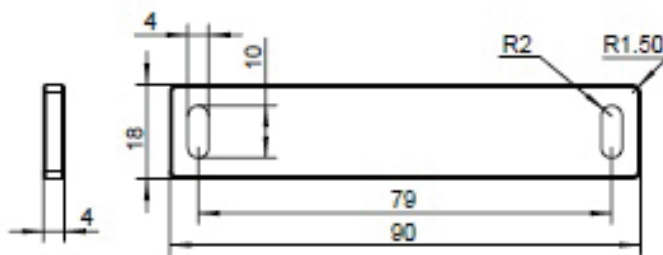[3] Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.
[4] The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.

XERAFY

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

Laser Marking