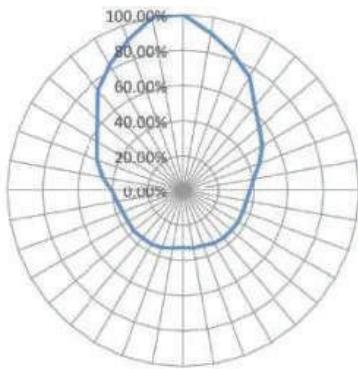




MICRO POWER

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2
- **Frequency** 902-928 MHz (US);
865-868 MHz (EU)
- **IC type (chip)**¹ Impinj M750
- **Chip memory**² 96 bits EPC; 96 bits TID;
32 bits user memory
- **Write cycles** 10,000 times
- **Data retention** 10 years
- **Read range fixed**³ Up to 13.12 ft (4 m)
- **Read range handheld**³ Up to 9.84 ft (3 m)
- **Polarization** Linear
- **Radiation pattern on metal**



Key Features

- + **Small form factor:** fits small size
- + **4 m read range:** high performance
- + **Rugged mounting systems**
- + **High-performance polymer case:** durable for harsh environment
- + **IP68 rating:** waterproof

Applications

- **Power tool tracking**
- **Automotive Post-Paint processes**
- **Construction tools**
- **Audio-Video equipment**
- **Rental fleet management**
- **RTI management**

Environmental Specifications

Temperatures



- Operational -40°C to +85°C
-40°F to +185°F
- Survival -40°C to +150°C (4 hours)
-40°F to +302°F

- **IP rating** IP68
- **Compression strength** 181 psi (1,250 kPa)
- **Shock** 3ft (1 m) to concrete/granite
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

¹ The chip data retention is up to 10 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.

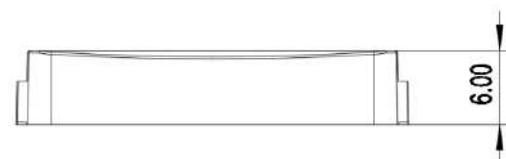
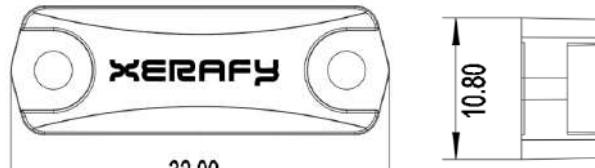
³ Performance based on standard testing methodologies. Performance may vary depending on environmental factors and reader output power.

Physical Specifications

- **Material** Industry grade polymer
- **Dimensions (in)¹** 1.25 x 0.43 x 0.24
- **Dimensions (mm)¹** 32 x 10.80 x 6
- **Weight** 0.11 oz (3 g)

Mounting Systems

- Pop rivets
- Screws
- Cable ties
- Industrial adhesive (optional)



Installation Instructions

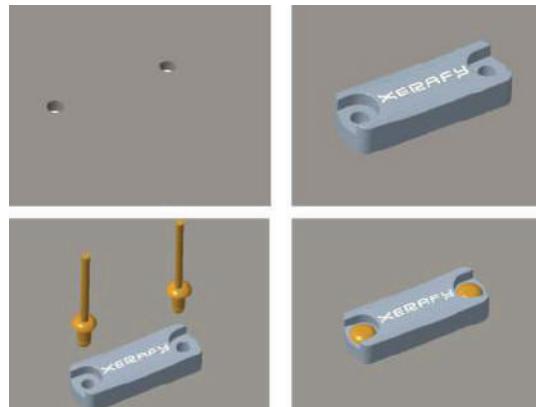
1. Use M3 rivets for attachment:

- Drill two holes (\varnothing 3.50) in the metal surface, pitch: 24.80 mm.
- Utilize M3 rivets in conjunction with a rivet gun to securely fasten the tag onto the metal surface.

2. Use M3 screws for attachment:

- Drill two holes (\varnothing 2.20) in the metal surface, pitch: 24.80 mm.
- Perform a M3 thread tapping procedure.
- Utilize M3 screws to securely attach the tag to the metal surface.

* Can also be attached via adhesive / epoxy.



¹ Tolerance: +/- 0.012; +/- 0.300 mm

Industry Compliance



Order Information

MICRO Power US: X3130-US101-M750

MICRO Power EU: X3130-EU101-M750

Customization Options

Encoding

Laser Marking

ATEX Certified Version

Printing

Industrial Adhesives

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