



## Xtreme Tag® Retro

### Physical Specifications

Tag Dimensions

86 L x 25 W x 4 H (mm)  
(3.4 L x 1.0 W x 0.16 H (inches))

Mounting Hole Diameter

5.3 mm (0.21 inches)

Weight

8 grams (0.02 lbs)

Packaging

350 tags per box

Attachment Method

Interference fit with spring clip

Resin

Polypropylene

### RF Specifications

RF Protocol

UHF, EPC Class 1 Gen 2, ISO 18000-6C

Operating Frequency

860 - 960 MHz (Global)

Read Range (Typical)

4.3 Meters (14 Feet)

Write Distance (Typical)

2.44 Meters (8 Feet)

### Environmental Specifications

Operational Temperature

-40C to 85C (-40F to 185F)

Application Temperature

-40C to 160C (-40F to 320F)

Mounting Substrates

Plastic, Wood

Humidity

40% to 80% RH

UV Stabilization

10 Years

Chemical Resistance

Water, Motor Oil, Hydraulic Oil, Dishwashing Detergent, Windex, Gasoline, Isopropyl Alcohol, Mineral Spirits, Acetone, Bleach, 409 Cleaner or Fantastic All Purpose Cleaner, Methyl Ethyl Ketone (MEK), Machine Oil

### Environmental and Performance Testing

Ingress Protection (IP) Rating

IP68

Thermal Shock I In Accordance

-20C to 85C (-4F to 185F)

with IEC 60068-2-14 Test Nb

Thermal Shock II In Accordance

-40C to 70C (-40F to 158F)

with IEC 60068-2-14 Test Na

Pressure Test

241 Bar Water Pressure Washer  
(3500 PSI Water Pressure Washer)

Steel Ball Impact Test

1.8 kg ball drop from 1.52 meters 5 times  
(4 lb ball drop from 5 feet 5 times)

Maximum Water Submersion Depth

4.0 km (2.5 miles)

\* Testing performed in an A2LA Accredited Laboratory