InLine Tag™ Ultra

ROBUST, ALL-PURPOSE RAIN® UHF TAGS MOUNT TO ANY SURFACE MATERIAL AND DELIVER LONG READ RANGES

◆ **Extreme durability** – resistant to outdoor elements as well as blunt and sharp impact

◆ **Multiple mounting options** – glue, screw, rivet or weld

◆ **Enhanced reliability** – read-write on any material, up to 26 ft (8 m)

◆ **Broadband frequency** – for worldwide use

Specifications

Part Number	TGMIL102
ELECTRONIC	
Operating Frequency	865-956 MHz (worldwide)
Chip Type	Monza M730
Chip Type	128 bit EPC + 96 bit TID
Anti-Collision	Yes
Reading Distance (2W reader ERP, free space)	Up to 26.2 ft (8 m)
THERMAL	
Storage	-40° to +185° F (-40° to +85° C), 1x1000 h
Operating Temperature	-40° to +185° F (-40° to +85° C)
Shock/Fatigue	-40° to +185° F (-40° to +85° C), 100 x 5 min with 20 sec transition

PHYSICAL

Dimensions	3.8 × 1.1 × 0.6" (97 × 27 × 15mm)
Mounting Method	Screw
Screw Mounting Hole	∅ 0.2 in (5.2mm)
Affixes To	All surfaces, including metal, plastic, wood
Housing Material	High-impact plastic
Color	Pantone blue 287C or grey (custom colors available)
Weight	0.5 oz (16 g)

CHEMICAL AND MECHANICAL

Water	IP68, IP69K, 176° F (80° C), 100 bar, 30 sek. 16 l/min
Withstands Exposure To	Mineral oil, petroleum, salt mist, vegetable oil; up to 80% humidity at 158° F (70° C)
Environmental Test Conditions	68° F (20° C), 100 h
Vibration	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
Shock	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]
Impact	IEC 62262-IK07
Axial/Radial Force	1000 N, 10 sec

OTHER

Standards	UHF EPC Class 1 Gen 2, ISO 18000-6C, ISO 17364, DIN 40050-9
Options	Custom embossed logo, no logo or custom tag color. Laser engraving of custom logo, barcode or text on grey tag versions. By default, grey tags are supplied without logo or laser engraving.
Box Size	240 pcs.
Warranty	2 Years

TAGMATIKS™

NEED HELP WITH YOUR SOLUTION OR MORE DETAILS? CONTACT US!

Location
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