



Tag UHF T-7 C M4E

The UHF T-7 is a non-transferable tamper-proof label for vehicle headlamps and windshields.

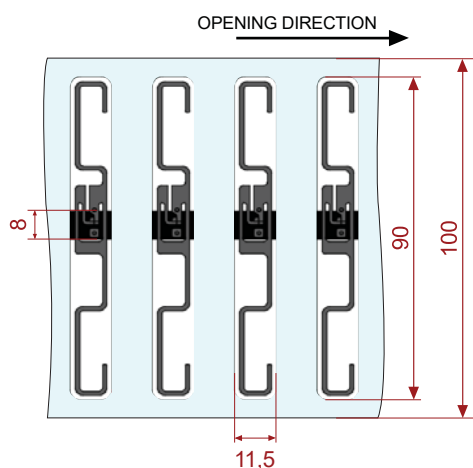


Product Code: 100.393

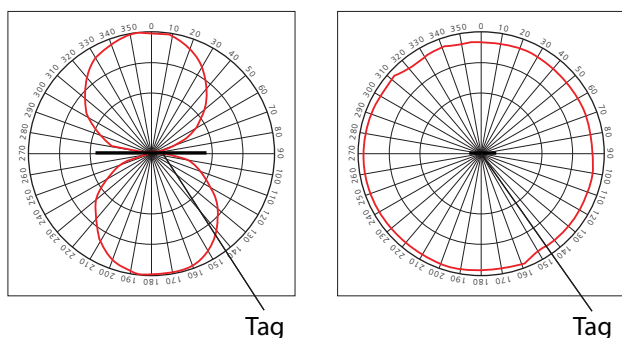
• Installation

Ideal installation conditions are +20°C (+68°F) / 50% RH. Adhesive of the label will provide best adhesion in 24 hours after the installation. Bond strength can be improved with firm application pressure. Always clean and dry the surface for obtaining the maximum bond strength. Avoid touching the background adhesive. Label antenna parts should not be in contact with metal to enable best performance of the label. Note that metallized UV-protection films have strong effect on RFID performance. Minimum bending diameter of the T-7 label is defined to be 50mm. Do not bend the label below the limit. Never touch on the location of the IC. IC chip is sensitive electrical component and can be damaged if unexpected pressure is applied on the chip.

• Dimensions



• Radiation Patterns



• Technical Specifications

Electrical Specification

Device Type	Class 1 Generation 2 passive UHF RFID transponder
	Compliant with EPC Gen2V2
Air Interface Protocol	EPCGlobal Class1 Gen2 ISO 18000-6C
Operational frequency	Global 860-960 MHz
IC type	Impinj Monza 4E
Memory configuration	With M4E: EPC 496 bit; User 128 bit; TID 96 bit
Read range (2W ERP)*	EU: Up to 9 m / 27 ft US: Up to 10,5 m / 34 ft
Applicable surface *	Glass

Mechanical Specification

Tag materials	- Back side (facing windshield): Aluminum antenna acrylic adhesive - Front side (facing driver): Inkjet and thermal printable transparent PET. Resin ribbon recommended. Can ordered with static color printing and black personalization.
Weight	<1 g
Delivery format	1000 pcs on reel
Pitch on reel	22,86 mm / 0.9 in
Reel core inner diameter	76 mm / 3"
Dimensions	93 x 11,5 x 0,2 mm / 3.66 x 0.85 x 0.008 in

Environmental Resistance

Operating temperature	-35°C to +85°C / -31°F to +185°F
Ambient temperature	-35°C to +85°C / -31°F to +185°F
Storage condition	1 year in +20°C / 50% RH (shelf life for adhesive)
Expected lifetime	Years in normal operating conditions

• Chemical Resistance

No physical or performance changes in: 168h Salt water (salinity 10%) exposure, 24h NaOH (10%, pH 13) exposure, 168h Motor oil exposure, 168h Sulfuric acid (10%, pH 2) exposure, 168h Windshield washer fluid exposure, 168h Antifreeze exposure, 168h Autoshampoo exposure, 168h Gasoline exposure, Small exposure of car wax.