1.6M RANGE UHF RFID FOR ON METAL

ART915X100202TO-IC

10.0 x 2.5 x 2.5 mm Pb RoHS/RoHS II Compliant MSL = 2

FEATURES

- Long 1.6m read range
- Compatible with any material, including metal
- Passive tag requires no battery or power supply
- Suitable for applications in harsh conditions
- Wide operating temperature $-40 \sim +85$
- Compliant with ISO 18000-6C/EPC Class1 Gen2
- 902 ~ 928MHz operation
- Utilizing Alien H3 RFID chipset
- Compact 10.0 x 2.5 mm footprint
- 2.5 mm height ideal for low profile requirements

APPLICATIONS

- Local asset tracking for industrial, heavy equipment, and data center applications
- Medical equipment
- Aviation equipment and tools
- Military devices and vehicles
- Oil and gas industry
- Trains and other transportation assets

Parameters	Min.	Тур.	Max.	Units	Note
Range of Receiving Frequency		866 - 868 902 - 928		MHz	
Frequency of Lowest Return Loss		915±5		MHz	(Based on 150 x 150 mm GND Plane)
Polarization		Linear			
IC Protocol	ISO 180	000-6C/EPC Clas	s1 Gen2		
Memory		96 EPC			
		512 User			
	64 TID			Bits	
ІС Туре		Alien H3			
Deading Demos	nding Ranga 1.6	1.6		m	On metal, 4W EIRP
Reading Range		0.8		m	In metal, 4W EIRP
Operating Temperature	-40		+85	°C	
Application Temperature	-40		+150	°C	

IP68



IP rate

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ABRACON IS ISO9001-2015 CERTIFIED

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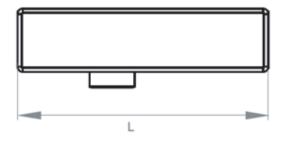
1.6M RANGE UHF RFID FOR ON METAL

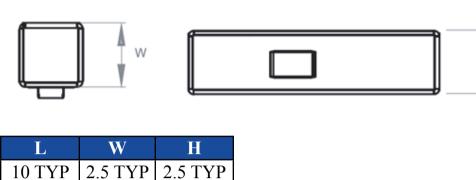


10.0 x 2.5 x 2.5 mm (Pb) RoHS/RoHS II Compliant

OUTLINE DRAWING | UNIT: mm

TOLERANCES ARE ±0.2mm, UNLESS OTHERWISE SPECIFIED

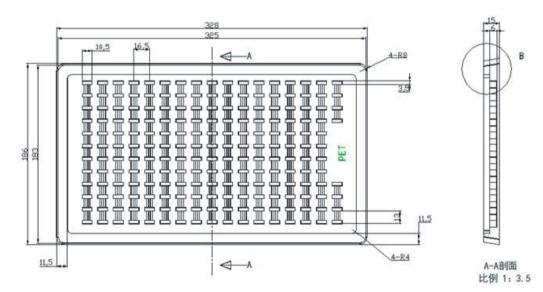


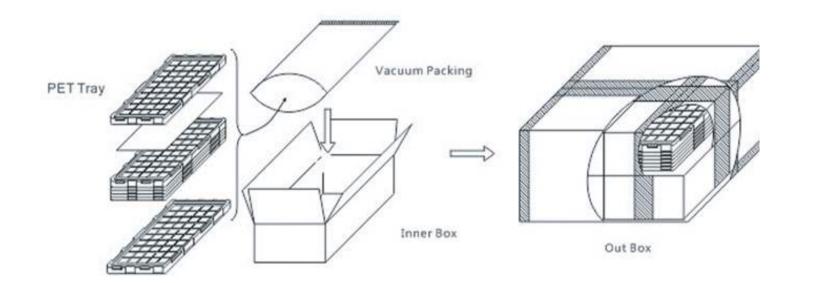


PACKAGING

200 PCS/TRAY, 4000 PCS/INNER BOX, 8000 PCS/CARTON

Package Type	Quantity		
Tray	200 pcs/tray		
Inner Box	4000 pcs/box		
Carton	8000 pcs/carton		







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MSL = 2

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NOTE

- 10.0 x 2.5 x 2.5 mm (Pb) RoHS/RoHS II Compliant MSL = 2
- 1. The parts are manufactured in accordance with this specification. If other conditions and specifications which are required for this specification, please contact ABRACON for more information.
- 2. ABRACON will supply the parts in accordance with this specification unless we receive a written request to modify prior to an order placement.
- 3. In no case shall ABRACON be liable for any product failure from in appropriate handling or operation of the item beyond the scope of this specification.
- 4. When changing your production process, please notify ABRACON immediately.
- 5. ABRACON's products are COTS Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. ABRACON's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from ABRACON LLC is required. Please contact ABRACON LLC for more information.
- 6. All specifications and marking will be subject to change without notice.



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