RFID Tag (Passive)

ART915X25275YZ25

RoHS/RoHS II compliant

25.0 x 25.0 x 2.75mm

MSL level: Not Applicable

FEATURES:

- RoHS Compliant
- SMD Type
- High Gain

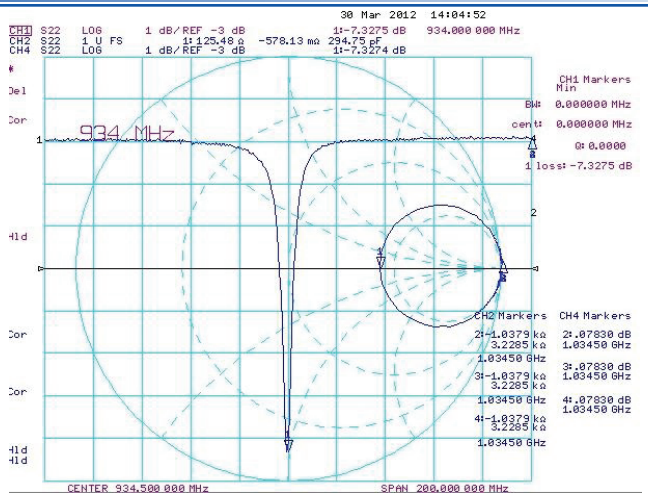
TYPICAL APPLICATIONS:

RFID systems for Logistic & Inventory Management of Retail, Pharmaceutical, Automotive Industries; Industrial automation, Contactless smart cards.

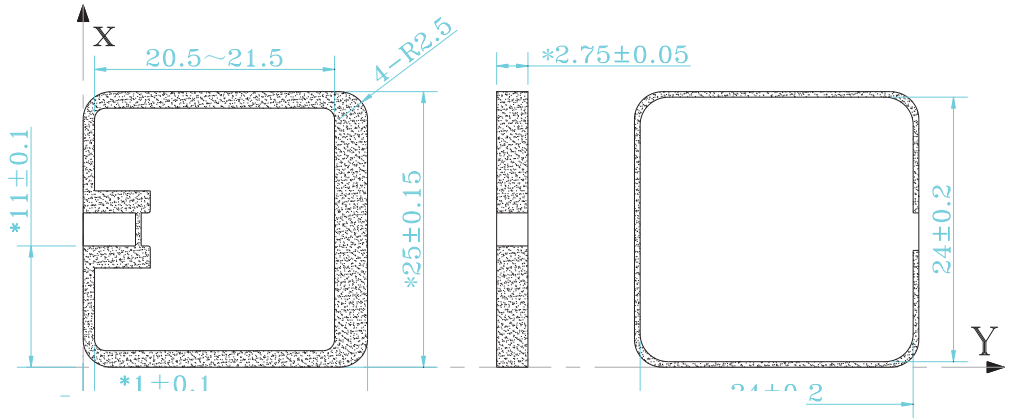
STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	Max.	Units	Note
Range of Receiving Frequency		902-928		MHz	
Frequency of Lowest Return Loss		937± 3		MHz	(On TEST Plane)
Tag center frequency		915±5		MHz	(On Metal surface)
GAIN	1.0			dBi	(On70x70 GND Plane)
Polarization Model		Linear			(Right Hand Circular Polarization)
Impedance		EPC		Ω	
Working Temperature		-40～+85		˚C	
Storage Temperature		-40～+110		˚C	
Frequency Temperature Coefficient		0± 10		ppm/˚C	

SMITH CHART



OUTLINE DIMENSION



Other Tolerance: ±0.1mm

Unit: mm

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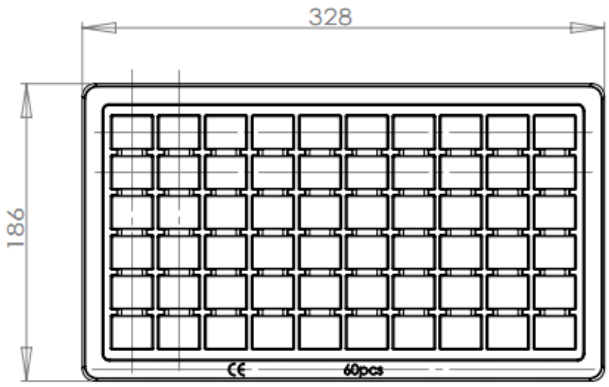
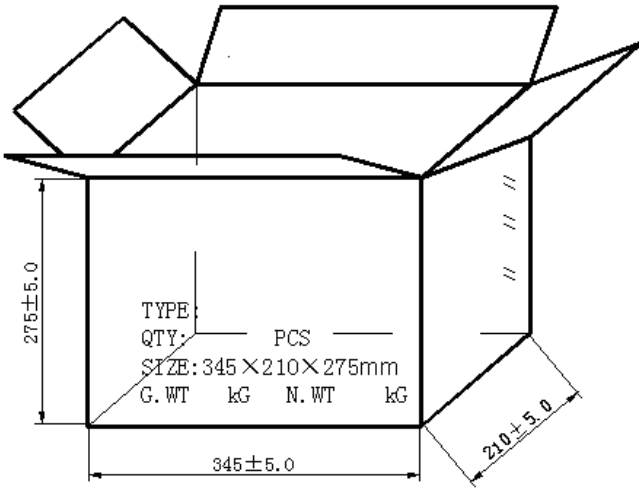
PACKAGING

Each tray contains 50pcs of RFID Tag Antenna. There are 5 trays per vacuum bag, 2 vacuum bags per inner box, and 2 inner boxes per carton (outer box) with size of 345*210*275mm.

Package Type	Quantity
Tray	50 pcs/tray
Vacuum Bag	250pcs/vacuum bag
Inner Box	500pcs/inner box
Outer Box	1000pcs/outer box



Tray



Outer Box

CAUTION:

(1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
(2) Do not expose the component to open flame.
(3) This specification applies to the functionality of the component as a single unit. Please insure the component is thoroughly evaluated in the application circuit.

NOTE:

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 Corporation'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 Corporation is required. Please contact ABRACON Corporation for more information.
6) All specifications and Marking will be subject to change without notice.

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