

2. Features

- *Stable and reliable in performances
- *Compact size
- *RoHS compliance
- *Low temperature coefficient of frequency
- *SMD type

3. Applications

*ISM Band system

4. Description

RIFO's chip antenna series are specially designed for 915/868MHz band application. Based on RIFO's proprietary designs and processes, this chip antenna has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

| No | Item | SPEC. | Unit |
|----|---------------------------|------------------|------|
| 1 | Dimensions (LxWxH) | 12.5*2.5*0.9 | mm |
| 2 | Operating Frequency Range | 915/868 | MHz |
| 3 | VSWR | 2 max. | |
| 4 | Impedance | 50 | Ω |
| 5 | Polarization | Linear | |
| 6 | Peak gain | 0.5 | dBi |
| 7 | Bandwidth(typ.) | 17 | MHz |
| 8 | Pattern | Omni-directional | |

*The antenna performance is measured on 93*55mm test Board.

*Center frequency will be offset to operating frequency according to the conditions of user's ground plane and radome.

| Tolerances (Unless otherwise specified)X : ± 1X.X : ± 0.1X.XX : ± 0.01Angle : ±Hole Dia. : ± | | <u>RIF(</u> | RIFO Technologies Corp Website: www.rifo.co | RIFO Technologies Corporation Website: www.rifo.com.tw | |
|--|--------------------|--|--|---|--|
| Scale : | Unit:mm | | | | |
| Prepared By : Helen | Checked By :Jeff | CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALL | | | |
| Designed By :Jason | Approved By :Allen | CIRCUMSTANCES WITHOUT WRITTEN PERMISSION | | | |
| TITLE : ISM Band 915/868MHz Chip Antenna | | DOCUMENT | RA02LPFC01RA002 | REV. | |
| | | NO. | | Α | |
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