

2. Features

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

3. Applications

*WiFi IEEE802.11 b/g / Bluetooth / ZigBee *2.4HGz Wireless Devices

4. Description

RIFO's chip antenna series are specially designed for 2.4GHz 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)	5.0*2.0*1.0	mm
2	Operating Frequency Range	2.4~2.5	GHz
3	VSWR	2 max.	
4	Impedance	50	Ω
5	Polarization	Linear	
6	Peak gain	3.2	dBi
7	Efficiency	61	%
8	Operating Temperature	-40~85	°C

*The antenna performance is measured on 40*20mm 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) $X : \pm 1$ $X.X : \pm 0.1$ $X.XX : \pm 0.01$ Angle : \pm Hole Dia. : \pm		<u>RIF(</u>	RIFO Technologies Corp Website: www.rifo.com	oration m.tw
Scale :	Unit:mm			
Prepared By : Helen Checked By :Jeff		CORPORATION AND SHALL NOT BE REPRODUCED OR USED IN ALI		
Designed By :Jason	Approved By :Allen	CIRCUMSTANCES	WITHOUT WRITTEN PERMISSION	
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8.2 Return Loss (S11 / VSWR)



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OF



Package 10.

5.1 Dimension (Unit: mm)



5.2 Reel & Packing Specification



Item	Specifications	Tolerance
		S
W	12.00	±0.20
E	1.75	± 0.10
F	5.50	± 0.05
D0	1.50	+0.10, -0
D1	1.50	± 0.10
P0	4.00	± 0.05
P1	4.00	± 0.10
P2	2.00	± 0.05
P0 x 10	40.00	± 0.20
t	0.25	± 0.05
A0	2.20	± 0.10
B0	5.10	± 0.10
K0	1.40	± 0.10

Product code: 1101 - Polycarbonate natural transparent
1201 - Polycarbonate conductive black.
Surface resistivity 10E4 to E6 ohm/sq.

Reel Dimensions			
A	77		mm
В	560		mm
С	96		mm
Packing			
Length / Roll		700	meters
Each Carton		3	rolls
Carton Dimension (mm)			
V 575(L)*345(W)*585(H)			

Tolerances (Unless other $X : \pm 1$ $X.X : \pm 0.1$ Angle : \pm He	wise specified) X.XX:± 0.01 ole Dia.:±	<u>RIF(</u>	RIFO Technologies Cor Website: www.rifo.co	poration om.tw
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