

2. Features

*Stable and reliable in performances *Low temperature coefficient of frequency *RoHS compliance

3. Applications

*2.4G Systems

4. Description

*Unictron's 2.4G antenna is specially designed for 2.4G applications. It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

5. Electrical Specifications

Characteristics		Specifications	Unit
Outline Dimensions		29 x 2.6 x 8.6	mm
Frequency Range		2400 ~ 2500	MHz
VSWR		2 max	
Impedance		50	Ω
Polarization		Linear Polarization	
Gain	Peak	Type A: 2.5 @2450MHz Type B: 2.5 @2450MHz	dBi
	Efficiency	Type A: 50 @2450MHz Type B: 50 @2450MHz	%
Temperature Coefficient of Frequency		0±20 max (@ -20℃~ 80℃)	ppm/°C

Note:

1. These test results are based on customer's housing and ground plane (please refer to No.7).

Tolerances (Unless otherX : ± 1X.X : ± 0.Angle : ±	erwise specified) .1 X.XX : ± 0.01 Hole Dia. : ±	Unictr Technologies	Unictron Technologies Co Website: www.unictror	rporation 1.com
Scale :	Unit:mm			
Drawn By : Gilespi	Checked By : Jason	TECHNOLOGIES CORPORATION AND SHALL NOT BE REPROD		
Designed By : Wilson	Approved By :Jaixing	OR USED IN ALL CI	RCUMSTANCES WITHOUT WRITTEN PE	RMISSION
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8. Electrical Characteristics

(1) Return Loss

(5)Three D Gain Table

Type A:

Frequency(MHz)	2400	2450	2483
Total Rad. Pow. (dBi)	-1.66	-1.58	-1.78
Peak Gain(dBi)	3.8	3.67	3.45
Efficiency(%)	63.23	64.5	61.37

Type B:

Frequency(MHz)	2400	2450	2483
Total Rad. Pow. (dBi)	-1.57	-1.36	-1.14
Peak Gain(dBi)	3.54	3.79	4.14
Efficiency(%)	64.66	68.11	71.91

Tolerances (Unless other $X : \pm 1$ $X.X : \pm 0.$ Angle : \pm H	erwise specified) .1 X.XX : ± 0.01 lole Dia. : ±	Unictor Technologies	Unictron Technologies Co Website: www.unictro	rporation 1.com
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