

## DR2G11 Specification

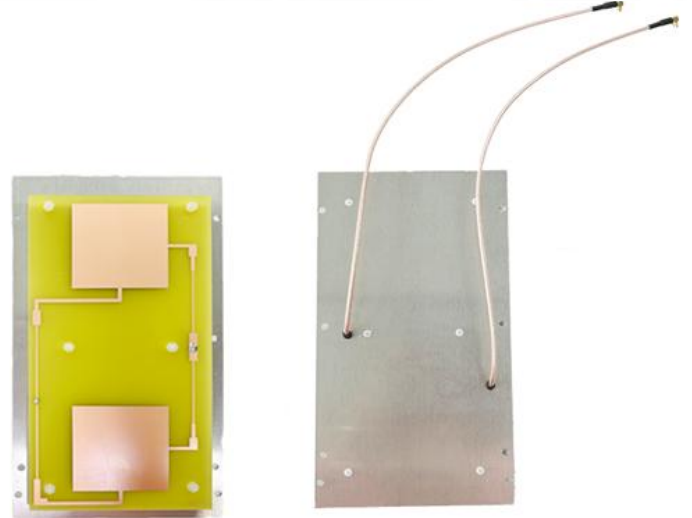
11 dBi Dual Polarized Micro strip Antenna Array

### 1. Feature

- \* 11 dBi Dual Polarized Micro strip Antenna Array
- \* 2.4GHz of frequency
- \* MMCX connector
- \* Support 802.311 AX/ AC/AN
- \* RoHS compliance

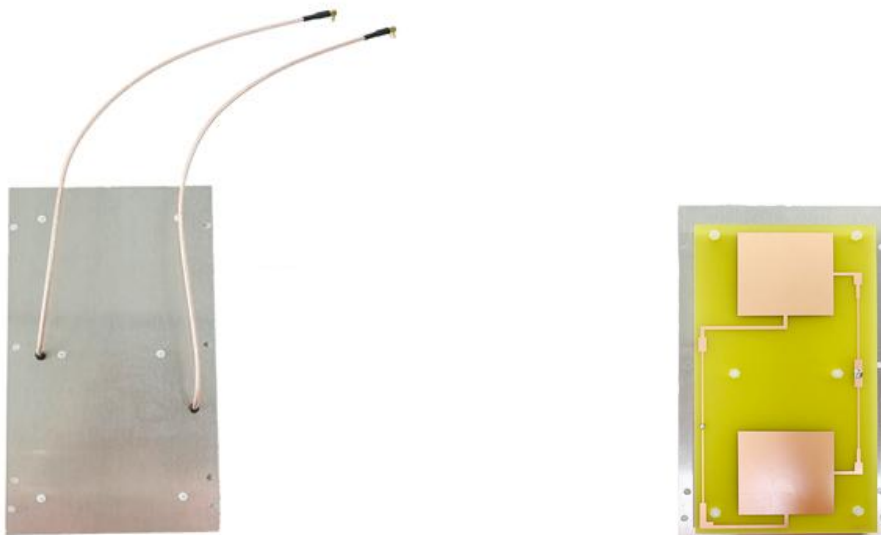
### 2. Application

- \* 2.4 GHz Wireless Communication
- \* WLAN device, WLAN Router, e. g. , AP, PIC Wireless Card



### 3. Description

This antenna array is designed for 2.4GHz applications and can be easily built-in portable devices with MHF processes. It has excellent stability and sensitivity to consistently provide high signal reception efficiency.



## 4. General Data

<b>Product Name</b>	Dual Polarized Micro strip Antenna Array
<b>Part No.</b>	DR2G11
<b>Frequency</b>	2.4 GHz-2.482 GHz
<b>V. S.W.R</b>	< 1.85
<b>Gain (dBi)</b>	11dBi
<b>Polarization</b>	Vertical & horizontal
<b>Isolation</b>	>30db
<b>Storage Temp</b>	-20°C~70°C
<b>Operating Temperature</b>	-20°C~60°C
<b>Antenna Type</b>	Antenna Array
<b>Dimension</b>	200*150mm
<b>Weight</b>	

## 5. Typical Electrical Characteristics

### Gain (dBi) VS Efficiency

#### Port1

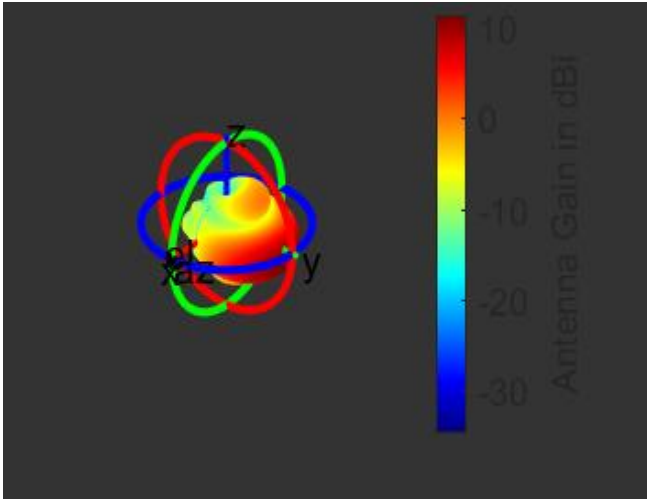
Frequency (MHz)	Directivity (dB)	Gain (dB)	Efficiency (%)	BW@phi=90	BW@theta=90
2400	12.1204	11.1392	79.7775	28.8343	73.3771
2410	12.1184	11.1062	79.2112	28.7985	72.9252
2420	12.1231	11.2672	82.1127	28.6705	72.5685
2430	12.0917	11.353	84.3576	28.7176	72.4105
2440	12.0208	11.1713	82.2341	28.7768	72.3536
2450	11.9577	11.1027	82.1294	28.7433	72.4005
2460	11.9135	11.0534	82.0337	28.7644	72.5491
2470	11.8605	10.9682	81.4275	28.721	72.6488
2480	11.8271	10.6768	76.7318	28.4374	72.6531
2490	11.8392	10.6172	75.475	28.2322	72.737
2500	11.8051	10.5296	74.5504	28.2462	72.8203

#### Port2

Frequency (MHz)	Directivity (dB)	Gain (dB)	Efficiency (%)	BW@phi=90	BW@theta=90
2400	12.1053	11.1764	80.7453	30.1564	68.6219
2410	12.1183	11.1817	80.601	30.016	68.4385
2420	12.121	11.229	81.4337	30.0326	68.1176
2430	12.1259	11.3081	82.8377	30.1784	67.6096
2440	12.1461	11.1882	80.208	30.0727	67.1614
2450	12.14	11.2286	81.0688	30.0419	66.8171
2460	12.138	11.2232	81.0054	30.1012	66.644
2470	12.1608	11.257	81.2106	29.827	66.6186
2480	12.1496	11.0308	77.288	29.5883	66.8168
2490	12.1438	11.0325	77.4226	29.5461	67.0565
2500	12.1988	11.1246	78.0869	29.2278	67.0805

### 3 D Polar Plots

Port1



Port2

