

APPROVAL SHEET

MULTILAYER CERAMIC ANTENNA

RFANT Series – RoHS Compliance

2.4 GHz ISM Band Working Frequency

P/N: RFANT502011BT-02 Series

Address: 3rd Floor, Huihuang Comprehensive Building, Tongsheng Community,
Dalang Road, Longhua New District, Shenzhen, Guangdong, China

Contents in this sheet are subject to change without prior notice.

FRATURES

1. Surface Mounted Devices with a sma I dimension of 5.0 X 2.0X1.1 mm³ meet future miniaturization trend.
2. LTCC process
3. High stability in Temperature / Humidity Change

APPLICATIONS

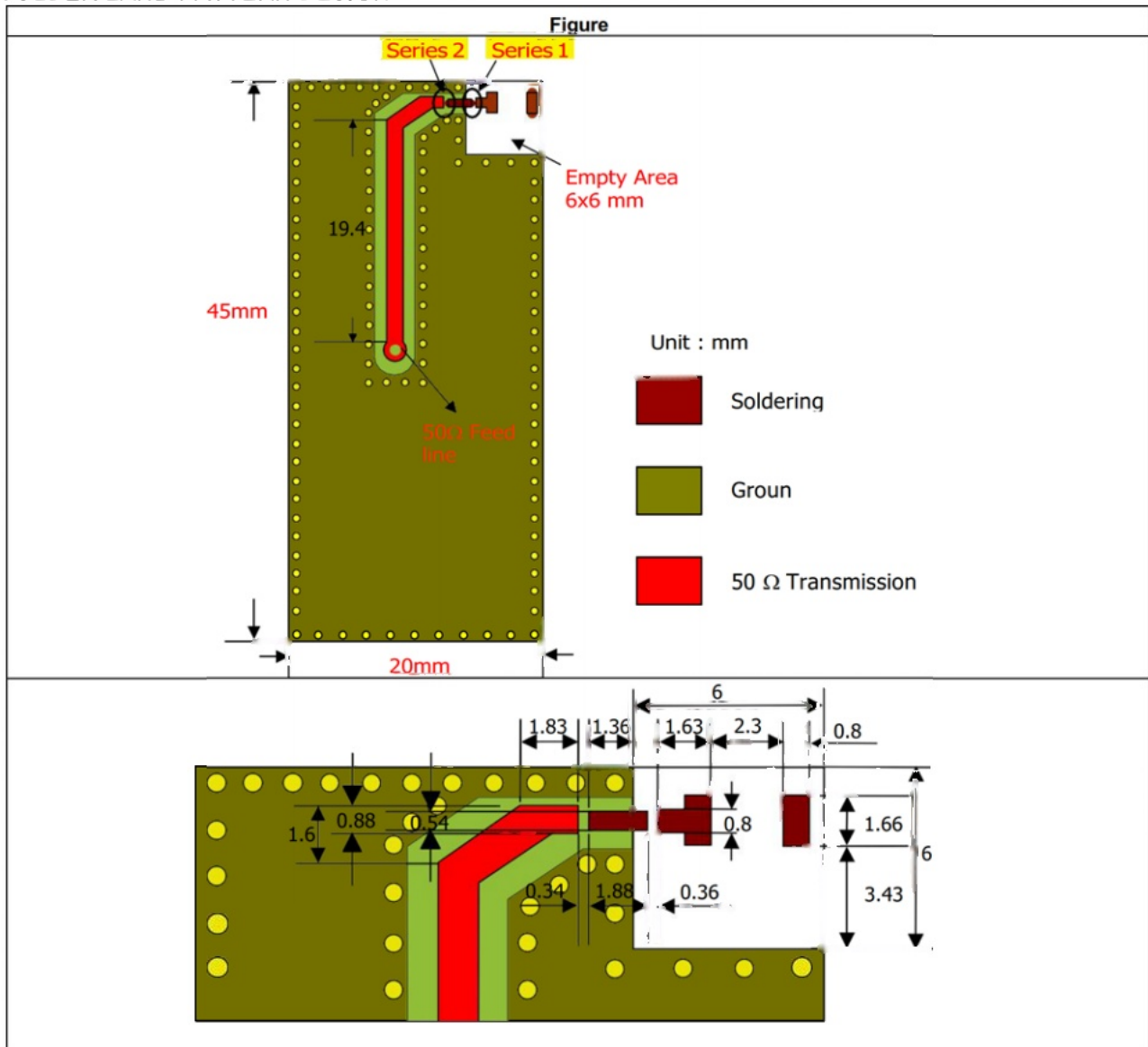
1. 2.4GHz ISM band RF applications
2. Bluetooth, Wireless, HomeRF

ELECTRICAL CHARACTERISTICS

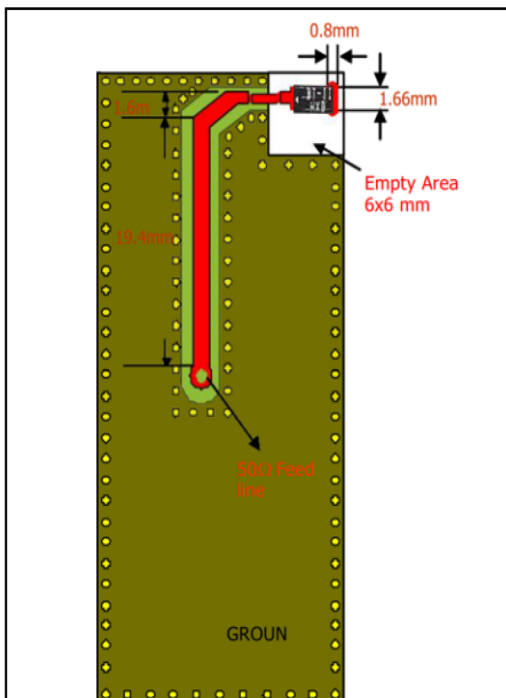
RFANT3216120A1T		Specification
Working Frequency Range		2450 ± 50 MHz
Matching component valve	Series 1	4.7nH
	Series 2	

* This frequency must be adjusted to 2.45GHz with matching circuit.

SOLDER LAND PATTERN DESIGN



Antenna on Test Board (Thickness 1.2mm)



ITEM	ANT SPEC		
Model Name	2.4G ANT		
Polarization	Horizontal&Vertical		
Azimuth Beam Patten	Omni-directional		
Impedance	50 Ohm		
Antenna Lenght	32mm		
Manufacture	shenzhen HengXinDa Communication Technology Co.,Ltd.		
Frequency/MHz	2400	2450	2500
Gain/dBi	1.87	1.45	2.00
Efficiency/%	57.64	62.12	64.93

Antenna S11 on Test Board

