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⑦	8100-0005	1.78-64線-螺帽-擦 (TPEE+FEP+鍍銅)	
⑥	9100-0010	PCB (单) -L48*W8.8*T1.0-TIN-藍 (2.4G/2.5G) (FR-4)	1
⑤	6300-0009	L94.5MM*OD6.2*OD0.8*4N-黃銅-00-2.4G/5G(黃銅)	1
④	8200-0001	*OD13 -TPEE圓形杆套-5DB黑色(TPE)	1
③	8200-0012	L25.3*OD13 -PC/PBT圓形下座-5DB黑色小孔(ABS)	1
②	8200-0011	L28.2*OD13 -PC/ABS圓形上座-5DB黑色自帶螺釘(ABS)	1
①	5001-0004	RP-SMA (P) -ST-178-B-大S (J) (黃銅+鋅合金+鍍鎳)	1
NO.	ITEM	DESCRIPTION	QTY

6150-015600-36000001

要求Requirement:

1. 工作频段Working frequency: 2.4G-2.6G/5.1G-5.8G
2. 特性阻抗Characteristic impedance: 50Ω;
3. 极性方式Polarity: Linear
4. 增益方式Gain: 2.4G<3.5dBi;5G<5dBi

<b>PHT</b>			
UNIT 單位	mm	PRODUCT NAME 產品名稱	wifi天线
⊕	⊖		

## Requirement, Antenna, External, Dual Band 2.4-5GHz R , PHT

### 1 INTRODUCTION

#### 1.1 Compliance and Testing

Part name: wifi antenna.

Part model: A100-0062

The antenna must comply with RoHS directive 2011/65/EU.

The datasheet for the antenna must include the following test results:

- Return loss from 2.40GHz-2.50GHz
- Return loss from 5.15GHz-5.85GHz
- Radiation pattern measured by gain in dB at 2400MHz, 2450MHz, 2500MHz, 5150MHz, 5550MHz, 5850MHz

### 2 ELECTRICAL REQUIREMENTS

#### 2.1 Electrical Characteristics

Parameter	Requirement
Working Frequency Ranges	2.40-2.50GHz 5.15-5.85GHz
Peak Gain	2.40-2.50GHz: 3.5dBi (max) 5.15-5.85GHz: 5.0dBi (max)
Return Loss	-7.5dB (Max) in working frequency ranges
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Admitted power	30dBm (1W)