

产品规格承认书

Products specifications
acknowledgment

承认厂商:

(Manufacturers) 制造厂

商: (Manufacturer

深圳市 蝙蝠 无线 技术 有限 公司

产品名|:)

SMA 天 线 连 接 座

(Description)

产 品 选 型 表 :

型号	说明	备注
BWSMA-KE-Z001	外螺内孔	

(ProductType)

供应商承认栏

制表者	审核者	审核者	核准者	核准者

1.1 Specifications

型号 Antenna Type	BWSMA-KE-Z001
阻抗 Impedance(Ω)	50 Ω
电压驻波比 V.SWR	直式软性电缆<1.15+0.02f (GHZ)
频率范围 Frequency Range(MHz)	0-12.4G(软电缆)
工作电压 DC Voltage (V)	335Vmax
介质耐压 Withstand Voltage(V)	1000Vrms
接触电阻 Contact resistance(Ω)	内导体<3mOhm 外导体<2mOhm
绝缘电阻 Insulation resistance	>5000 兆欧
插入损耗 Insert Loss	0.15dB(6GHz)
射频泄漏 RF leakage	-60dB/-90dB(软电缆/半刚电缆)@2-3GHz
耐用性 Durability(mating)	500 次
PLUG 内径/JACK 外径	6.5mm/5.4mm
壳体 shell	黄铜镀硬金或不锈钢表面钝化
插针 contact pin	黄铜镀硬金
插孔 socket	铍青铜镀硬金
绝缘体 insulator	聚四氟乙烯
密封件 sealing	硅橡胶
压接套 crimp ferrule	铜合金镀镍
重量 Weight(g)	None
工作温度 Operating Temperature($^{\circ}$ C)	-65~+165 (PECABLE-40~+85)
标准 APPLICABLE STANDARD	MIL-C-39012、IEC169-15、CECC22110

BWSMA-KE-Z001

研发生产销售 FPC\陶瓷\金属\胶棒\吸盘\机柜等 RF 天线

1.2 Antenna Picture



上图型号: BWSMA-KE-Z001

*注: 因天线功能较为敏感, 主体周边机构有变更请通知我们评估。

2. Electrical Specification

2.1 Test Equipment

- A. VSWR and input impedance: Agilent 8753/E5071 Network Analyzer
- B. Antenna gain and efficiency: ETS three-dimensional anechoic chamber

2.2 Test Setup

2.2.1 Frequency Range

2.2.2 VSWR

Step 1: The antenna is arranged on the customer provided test fixture.

Step 2: The VSWR of the antenna is measured via Agilent 8720/8753 Network Analyzer (see figure. 1).



Figure.1

2.2.3 Radiation pattern and Gain

- A. The 3D chamber provides less than -40 dB reflectivity from 800 MHz to 6 GHz and a 40 cm diameter spherical quiet zone. The measurement results are calibrated using both dipoles and standard gain horns (see figure. 2).
- B. The antenna under tested is arranged in the turntable and a decoupling sleeve is used to reduce feedline radiation (see figure. 3).
- C. The measured results of the radiation patterns and antenna gain are obtained from the control system and showed on the monitor (see figure. 4 and 5).

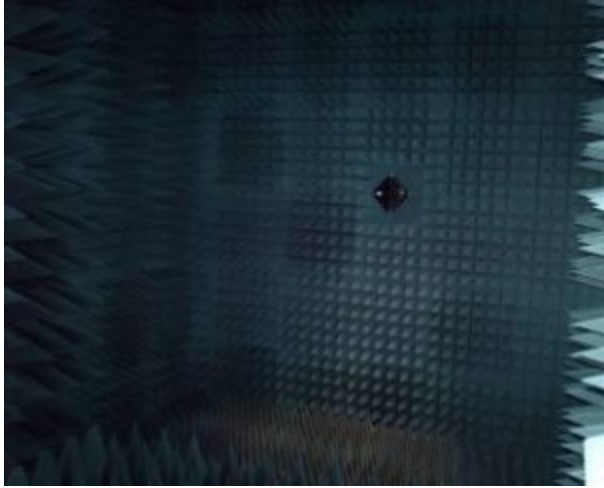


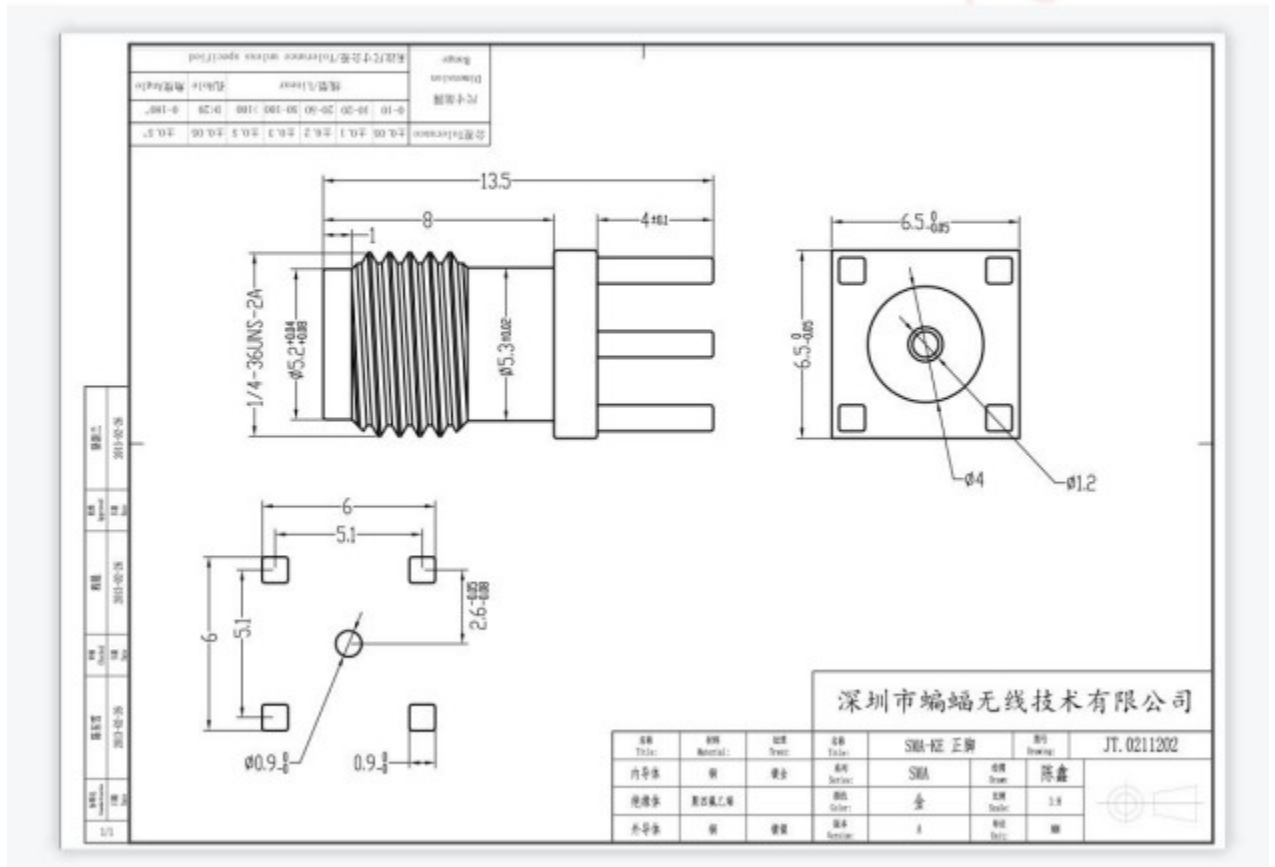
Figure.2Figure.3



Figure.4Figure.5

4. Mechanical Specification

4.1 Assembly Drawing



5. 免责声明 (Disclaimer) :

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