

承 认 书

SPECIFICATION FOR APPROVAL

客 户 Customer:

产品名称 Project:

SMA天线连接器

规格型号 Part No:

SMA-KE-P

贵公司承认印 Approval signatures

料 号/Part No.	签 章/Signatures

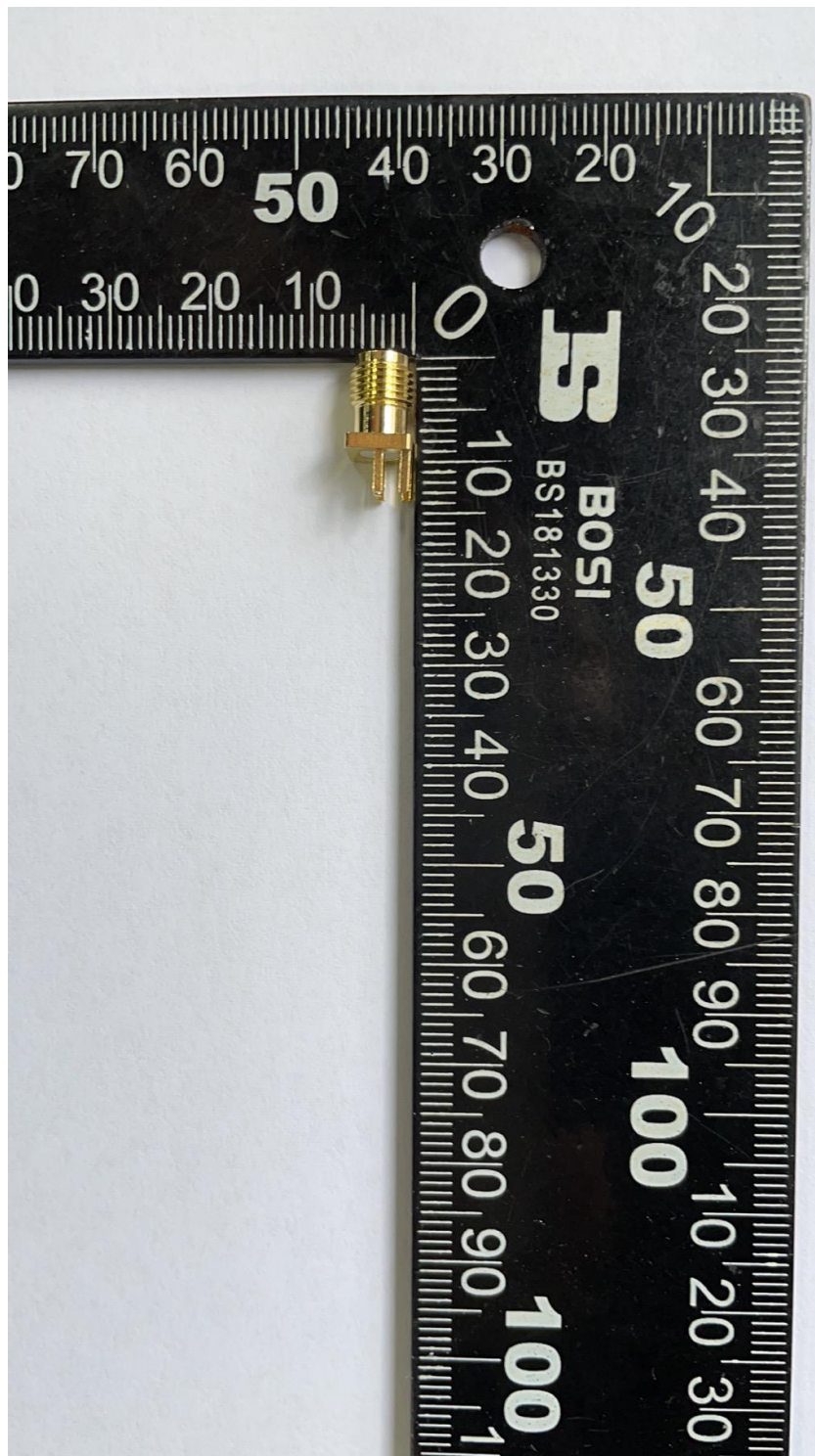
日期 Date:

拟制/Drawn	王宗华	
审核/Check	陈淼淼	
批准/Approved	张春华	

1.1 Specifications

型号 Antennas Type	SMA-KE-P
阻抗 Impedence (Ω)	50Ω
电压驻波比 V.S.W.R	直式软性电缆<1.15+0.02f（GHZ）
频率范围 Frequenc Range(MHz)	0-12. 4G(软电缆)
工作电压 DC Voltage（V）	335V max
介质耐压 Withstand Voltage(V)	1000Vrms
接触电阻 Contact resistance()	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	镀青铜镀硬金
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 OperatingTemperature(°C)	-65~+165（PE CABLE-40~+85）
标准 APPLICABLE STANDARD	MIL-C-39012、IEC169-15、CECC22110

1.2 Antenna Picture



上图型号：SMA-KE-P

（可定制）

*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 -40dB reflectivity from 800MHz to 6GHz and a 40cm 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 turned table and a decoupling sleeve is used to reduce feed line 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).

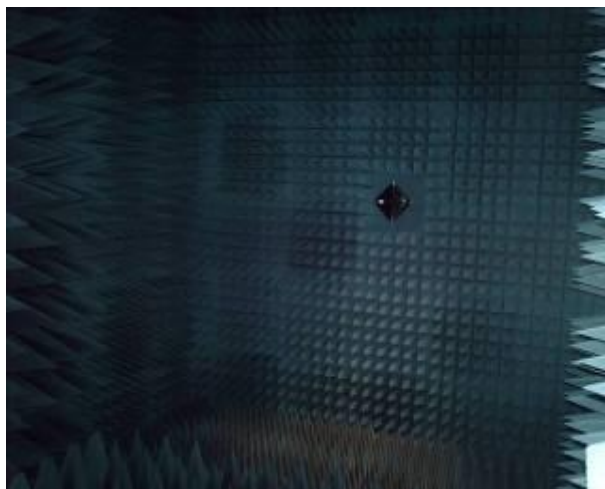


Figure.2

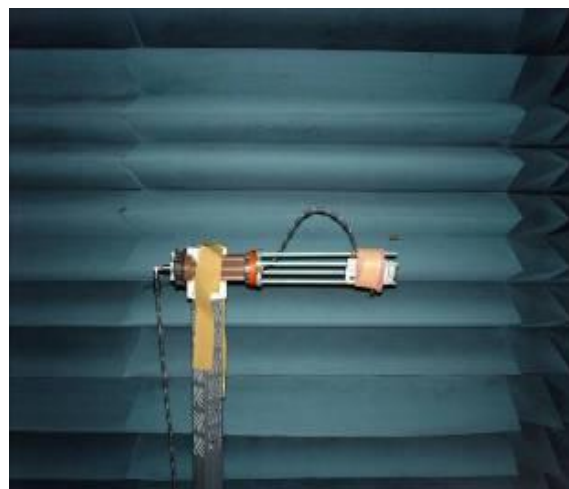


Figure.3

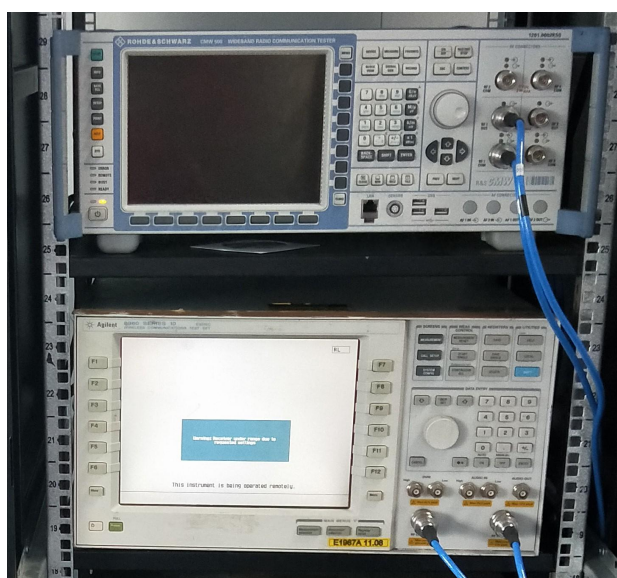


Figure.4

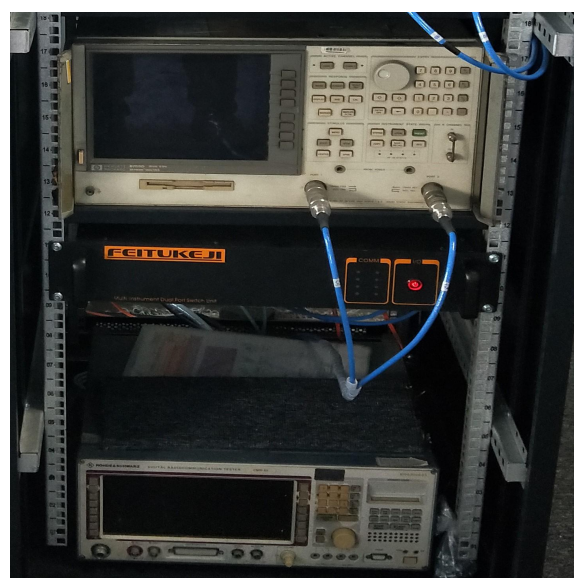
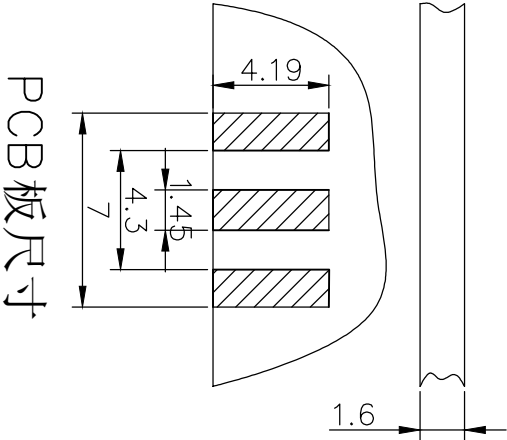
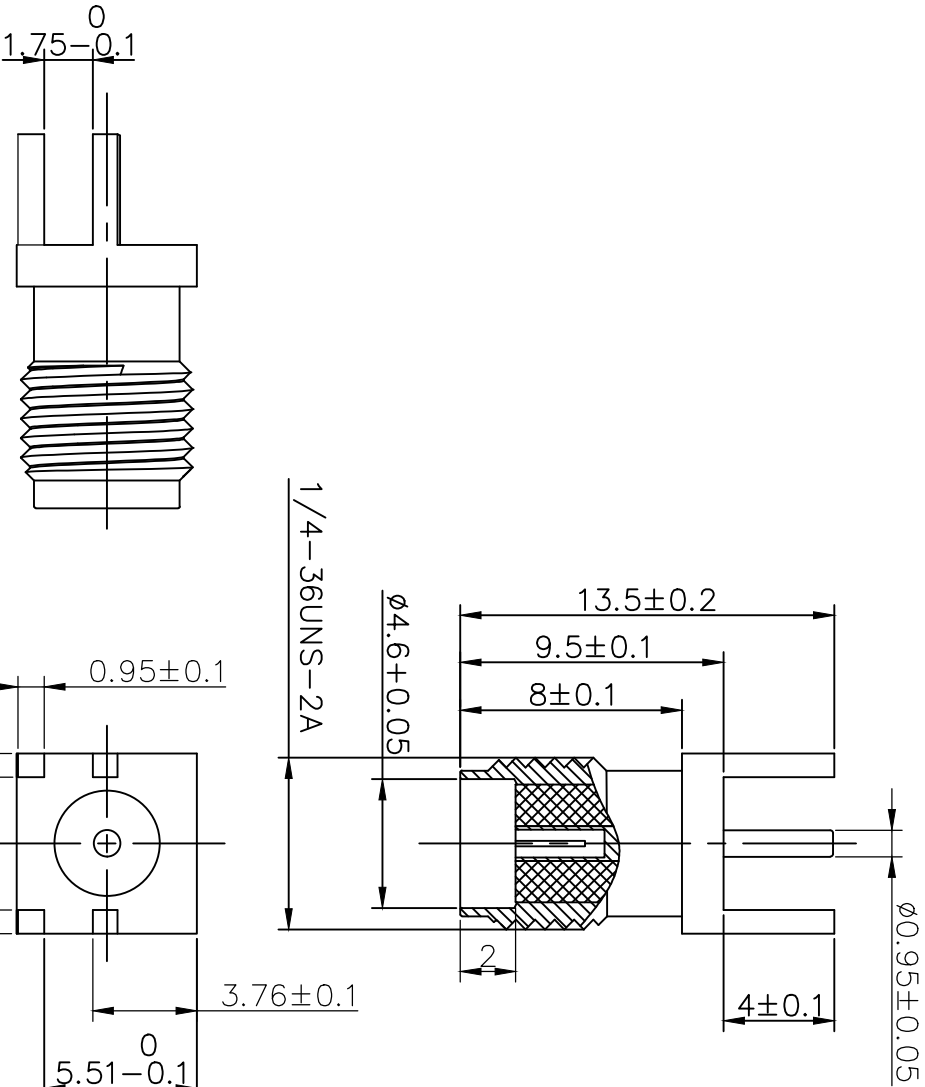


Figure.5



技术要求:

1. 特性阻抗 $50\ \Omega$
2. 频率范围 $0-3\text{GHz}$
3. 接触电阻
内导体 $\leq 3\text{m}\ \Omega$
外导体 $\leq 2\text{m}\ \Omega$
4. 绝缘电阻
24h $\geq 5000\text{M}\ \Omega$
5. 盐雾时间 $\geq 0.28\text{N}$
6. 分离力
7. 外观: 无斑点 毛刺 划痕 表面光亮无脏污 无变形等

ECN BO.		DESCRIPTION.		DATE.		REV.		SCALE: 3:1	
DESIGNED	CHECKED	APPROVAL	DRAWING NUMBER	PART NAME	MODEL NAME	UNLESS OTHERWISE SPECIFIED, TOLERANCE:	SCALE: 3:1	X. X. X. XX	
Mikey	Tom	Jerry	3RD ANGLE PROJ	SMA-KE-P	SMA-KE-P	ANGULAR	±0.25 ±0.20 ±0.15 ±3	HanElectricity Co.,LTD	
2015/5/3		A		2015/5/3		A		FILE NO.	

序号	料号	名称	数量	材料	备注
1	3.03.347.0029	铜座	1	黄铜	镀金
2	3.03.347.0043	平头母针	1	黄铜	镀金
3	3.03.347.0003	绝缘体	1	PTFE	
4					
5					