

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-KE11

贵公司承认印 Approval signatures

料 号/Part No.	签 章/Signatures

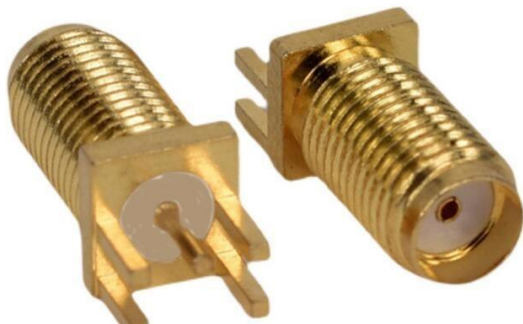
日期 Date:

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-KE11
阻抗 Impendence (Ω)	50 Ω
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)	0~3GHz
工作电压 DC Voltage（V）	1000Vmax
介质耐压 Withstand Voltage(V)	1000Vrms（海平面）
接触电阻 Contact resistance()	内导体≤3MΩ 外导体≤2MΩ
绝缘电阻 Insulation resistance	≥5000MΩ
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
外壳 shell	HPb59-1（黄铜）镀金
内导体 Inner conductor	HPb59-1（黄铜）镀金
螺母 Nut	HPb59-1（黄铜）镀金
花齿 Cogwheel	HP60（黄铜）
绝缘体 insulator	聚四氟乙烯
重量 Weight(g)	None
工作温度 OperatingTemperature(°C)	-65~+165（PE CABLE-40~+85）

1.2 Antenna Picture



上图型号：SMA-KE11

（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).

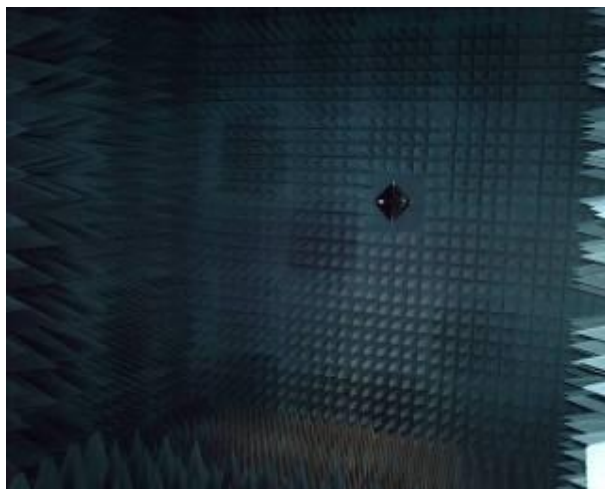


Figure.2

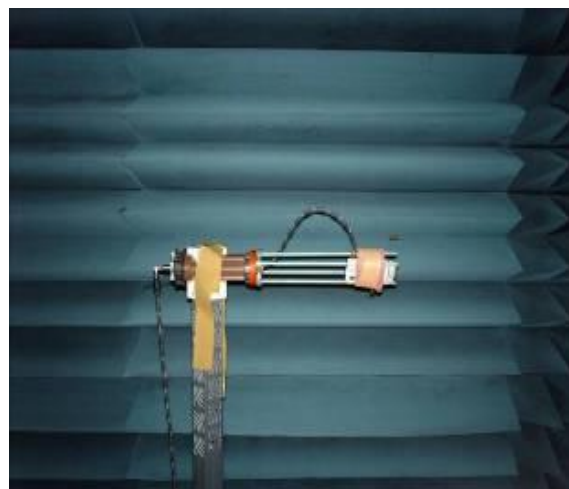


Figure.3

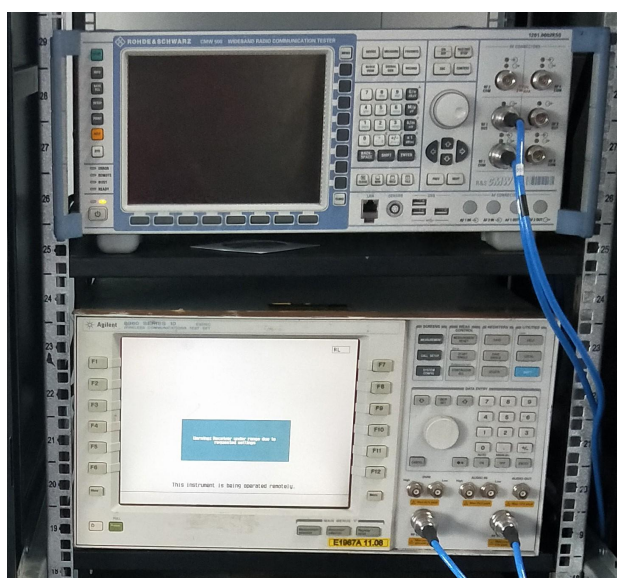


Figure.4

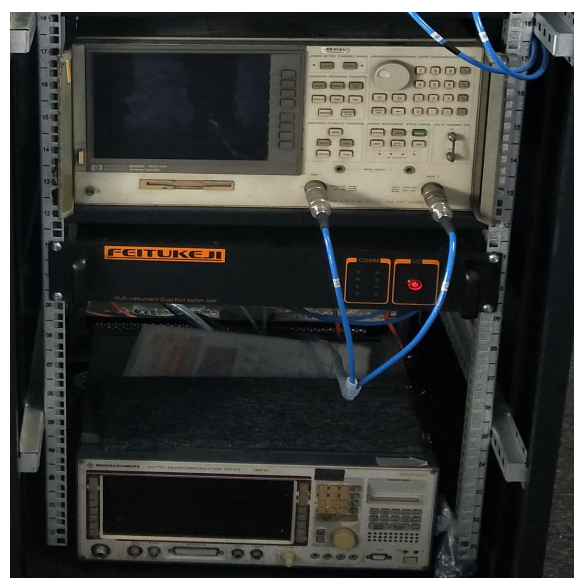
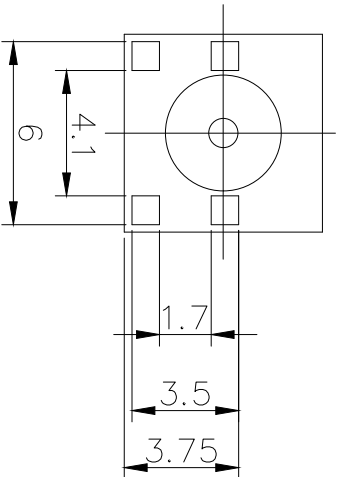
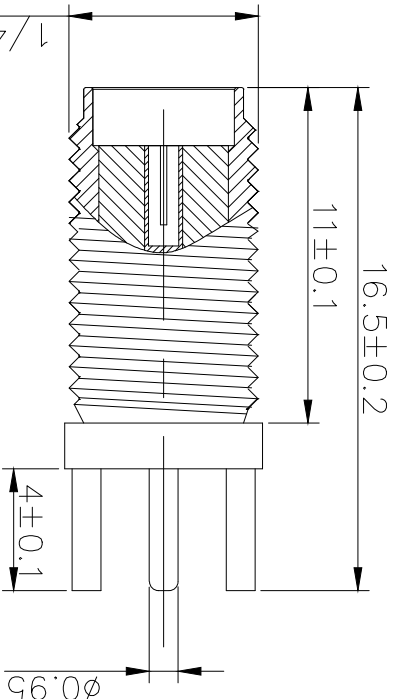
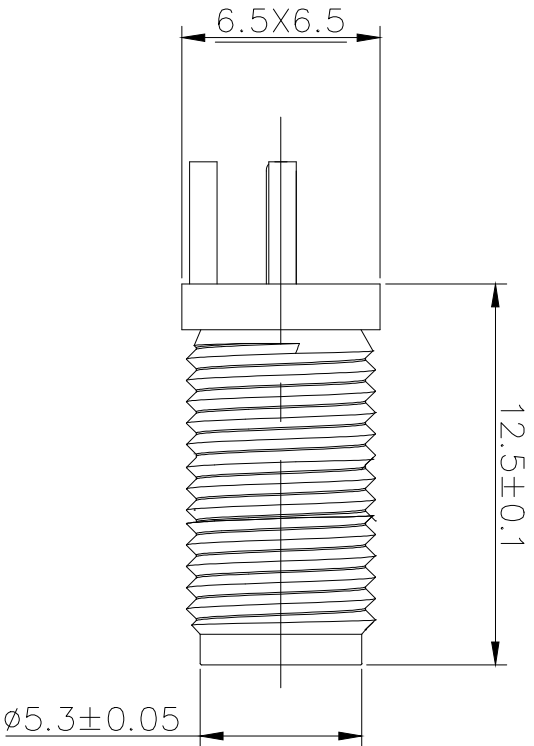


Figure.5



技术要求:

1. 特性阻抗

50Ω
2. 频率范围

0—6GHz
3. 接触电阻

内导体≤3mΩ
外导体≤2mΩ
4. 绝缘电阻

≥5000MΩ
5. 盐雾时间

24H
6. 分离力

≥0.28N
7. 外观:

无斑点 毛刺 划痕 表面光亮无脏污 无变形等

		new		2015/5/3		A		瀚源		
ECN BO.		DESCRIPTION.			DATE.		REV.			
DESIGNED	CHECKED	APPROVAL	DRAWING NUMBER			SCALE T: 1/2		SCALE: 3:1		
Mikey	Tom	Jerry	PART NAME	SMA-KE11		UNLESS OTHERWISE SPECIFIED, TOLERANCE:		X. X.X X.XX ANGULAR		±0.25 ±0.20 ±0.15 ±3
			MODEL NAME	SMA-KE11						
			3RD ANGLE PROJ		HanElectricity Co.,LTD					
						FILE NO.				

序号	代号	名称	数量	材料	备注
1		全螺铜座	1	黄铜	镀金
2	3. 03. 347. 0031	母针	1	黄铜	镀金
3	3. 03. 347. 0032	绝缘体	1	P TFE	
4					
5					