



腾祥电子  
TENGXIANG ELECTRONIC

# Tengxiang Technology.Inc

Product Number: RF-SMT-20279-B-BZ

Product Name: Coaxial Cable


## Specification For Approval

Customer : \_\_\_\_\_

Customer P/N : \_\_\_\_\_

Tengxiang P/N : **RF-SMT-20279-B-BZ**

Description : **MINI CONNECTOR RECEPTACLE**

Tengxiang Checked By:	Customer Approved By:
<p>工程: <b>HC</b> 射频: 韦佳</p> 	



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# Tengxiang Technology.Inc

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<http://www.tenxiang.cn>

Product Number: RF-SMT-20279-B-BZ

Product Name: Coaxial Cable

## 1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	DC~ 6.0GHz
Impedance	50 Ohm
V.S.W.R.	<= 2.0
CONTACT RESISTANCE	20m OHMS MAX
WORKING VOLTAGE	60Vrms MAXIMUM.
INSULATOR RESISTANCE	500M OHMS MIN / DC 100V.
Connector Type	RECEPTACLE
C. Environmental	
Operation Temperature	- 40 °C ~ + 80 °C
Storage Temperature	- 40 °C ~ + 80 °C

## 2. Characteristics and Reliability Test

Test Items		Test Condition and Procedure	Requirements
C1	V.S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
C2	Insertion Loss	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
C3	Voltage Breakdown	Test voltage should be applied between insulated portions, or between ground as specified.	Max Voltage: >= 500 V or directive material specification
C4	Insulation Resistance	Test Voltage: 500 ± 50V; between the insulated portions, or between ground as specified.	Resistance >= 500 M ohm or



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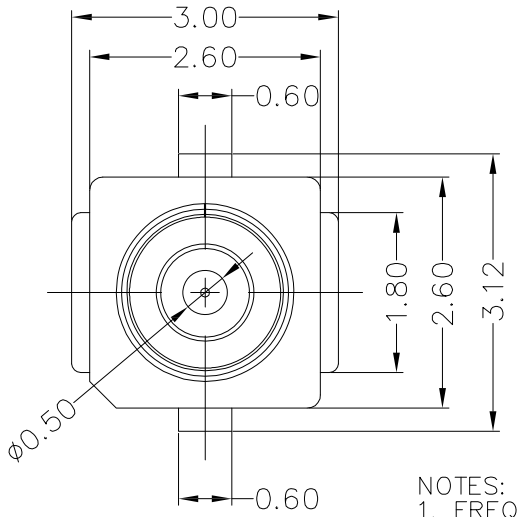
Product Name: Coaxial Cable

			directive material specification
C5	DC Resistance	Air Temp: 25°C; measured with test equipment	Directive material specification
C6	Contact Resistance	Air Temp: 25°C; measured with test equipment	Directive material specification
M1	Vibration	GB / T2423 . 48-1997 Amplitude: 0.03 inch (1.5mm); Freq: 20 to 80 to 20 Hz 3 directions; 2 hours for each direction	1. No Visual Damage 2. Frequency Tol.<= 5%
M2	Random Drop	GB / T2423.8-1995 Height: 1.0 Meter; 3 directions; 1 time for each direction	1. No parts separated 2. Frequency Tol.<= 5%
M3	Solderability	GB 2423 . 28- 82 Solder iron: 260±5°C; Duration: 5 seconds	1. Mounted on PCB 2. No Visual Damage
M4	Terminal-Pull Test	Holding with individual specification; force applied to axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M5	Terminal-Torque Test	Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M6	Dimension	Inspection of dimension, color, material, package, surface process	Directive DUT specification
E1	Salt Spray	GB / T 2423 . 17- 93 Temp: 35°C; RH: >= 95%; NaCl solution: >= 5%; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E2	Humidity	GB / T 2423 . 4 - 93 Temp: 80°C / 12 H; -40°C / 12H RH: >= 90%; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E3	Thermal Shock	GB / T 2423 . 22 - 87 1 Cycle: - 40°C (30 minutes) to + 80°C (30 minutes) Cycles: 24	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E4	Life (High Temp.)	GB / T 2423 . 2 - 89 Temp: 80°C; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
R1	RoHS	With Reference to IEC 62321:2008 with flow chart	Directive RoHS 2015/863/EU

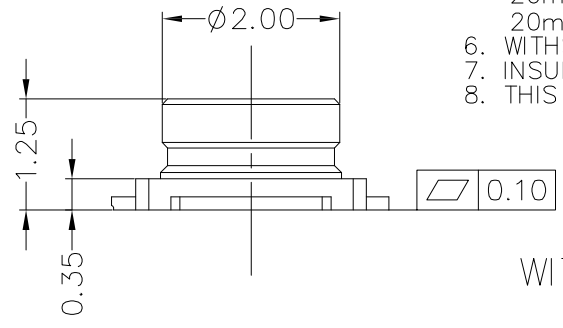
### 3. Mechanical Drawing (See attached files)

HF   
 RoHS   
 REACH   
**CONFIDENTIAL**

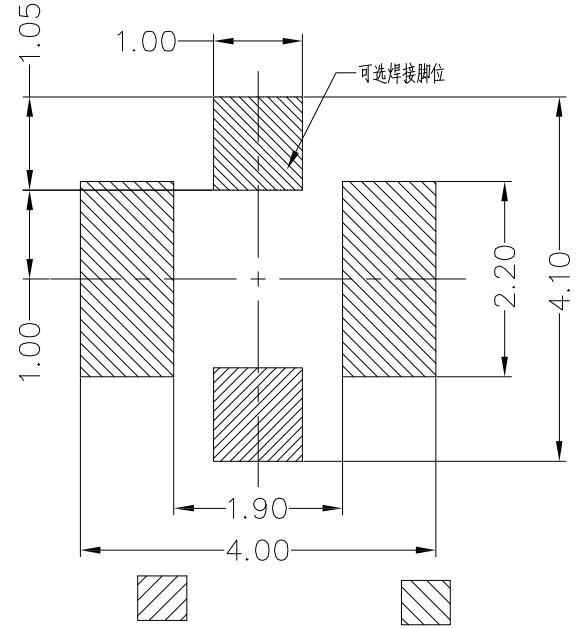
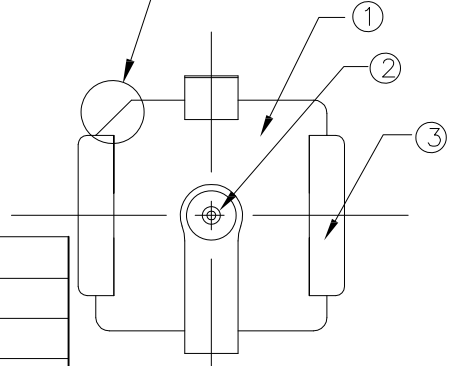
SIGN	DATE	DESCRIPTION	APPROVER
△			
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- NOTES:
- FREQUENCY RANGE:  
DC TO 6GHZ (VSWR: 1.3MAX AT 0.1~3GHZ, 1.4MAX AT 3~6GHZ)
  - CHARACTERISTIC IMPEDANCE: 50Ω(NOMINAL);
  - TEMPERATURE: -40°C TO +90°C;
  - RATED VOLTAGE : 60VAC;
  - CONTACT RESISTANCE :  
20mΩ MAX.(SIGNAL CONTACT)  
20mΩ MAX.(GROUND CONTACT)
  - WITHSTAND VOLTAGE : 200VAC FOR 1 MINUTE MIN;
  - INSULATION RESISTANCE : 500MΩ MIN. AT 100VDC;
  - THIS COMPONENT IS HALOGEN FREE.



WITH CHAMFER



SIGNAL CONTACT GROUND CONTACT  
P.C.B DIMENSION (TOP VIEW)  
 (TOLLERRANCE ±0.05)

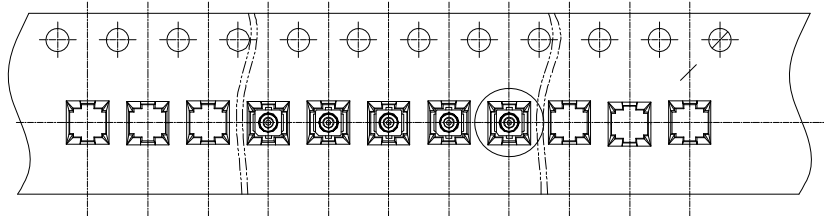
ITEM	NAME	Q'TY	MATERIAL	FINISH
3	GROUND CONTACT	1	JIS C5191-H	Au 1u" Min. over Ni 50~100u" Min.
2	CONTACT	1	JIS C2680-1/4H	Au 1u" Min. over Ni 50~100u" Min.
1	HOUSING	1	LCP E6808	UL94V-0,30% GF

**Tengxiang Electronics Co., Ltd.**

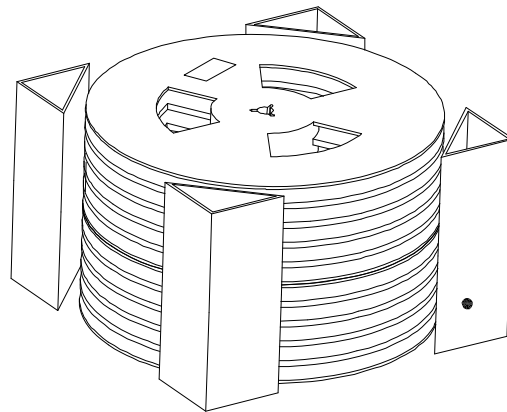
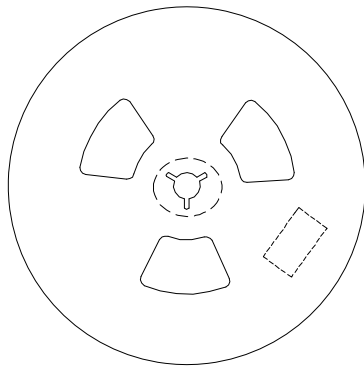
TITLE: RF 1G H TYPE BOARD END				
PART NO.: RF-SMT-20279-B			CUSTOMER P/N: /	
APP BY	CHK BY	RF BY	DES BY	Tolerance X.X ±0.1 X.XX ±0.05 X° ±1
YTX 2020.09.24	YCX 2020.09.24	WJ 2020.09.24	HC 2020.09.24	
				UNITS: mm
				SCALE: 1/1
				REVISION: A

Part Number : RF-SMT-20279-B-BZ	Revision : A
Name: MINI CONNECTOR	Customer : All

1. 料帶包裝



2. 5000PCS/盤， 共計10盤產品



2. 共計10盤產品50000pcs裝一箱

