



Tengxiang Technology.Inc

Product Number: SMAMR8-3B0255-SMAFR8

Product Name: Coaxial Cable


Specification For Approval

Customer : _____

Customer P/N : _____

Tengxiang P/N : SMAMR8-3B0255-SMAFR8

Description : RP SMA PLUG TO RP SMA JACK
WITH OD1.13 CABLE(BLACK) L=255mm

Tengxiang Checked By:	Customer Approved By:
工程: HC 射频: 韦佳 	



腾祥电子
TENGXIANG ELECTRONIC

Tengxiang Technology.Inc

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<http://www.tenxiang.cn>

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Product Name: Coaxial Cable

1. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	DC~ 6.0GHz
Impedance	50 Ohm
V.S.W.R.	≤ 2.0
Insertion Loss	2.0dB
Voltage (breakdown)	$> 200V$
B. Material & Mechanical Characteristics	
Cable Type	OD1.13 BLACK
Connector Type	RP SMA Plug To RP SMA Jack
C. Environmental	
Operation Temperature	$-40^{\circ}C \sim +80^{\circ}C$
Storage Temperature	$-40^{\circ}C \sim +80^{\circ}C$

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: $\geq 500 V$ or directive material specification
C4	Insulation	Test Voltage: $200 \pm 50V$; between the insulated	Resistance $\geq 500 M \text{ ohm}$

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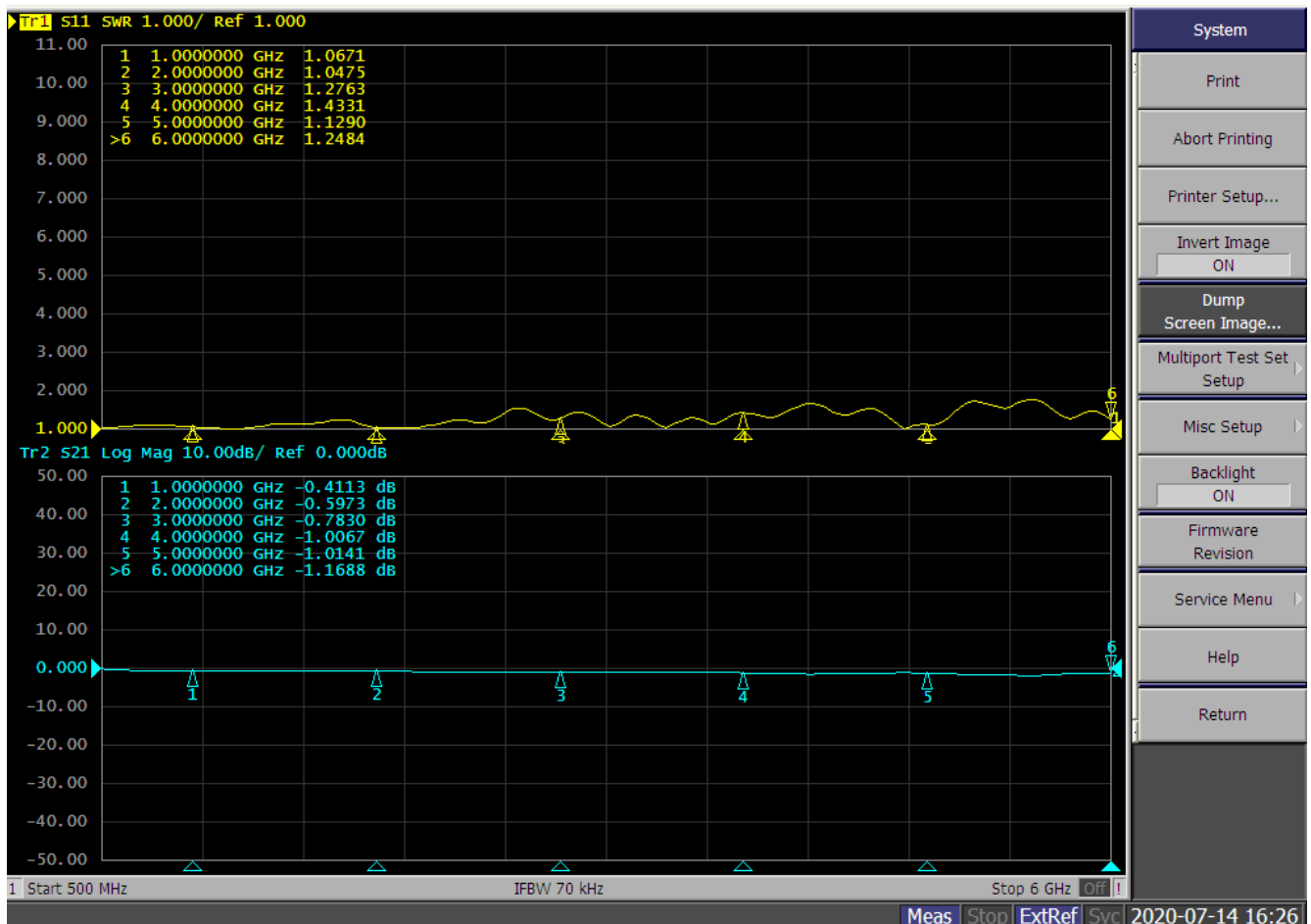
	Resistance	portions, or between ground as specified.	or directive material specification
C5	DC Resistance	Air Temp: 25°C; measured with test equipment	Directive material specification
C6	Contact Resistance	Air Temp: 25°C; measured with test equipment	Directive material specification
M1	Vibration	GB / 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: 2hours	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: 85°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

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3. Samples Test Data

Test Items		Requirements	No.1	No.2	No.3	No.4	No.5
C1	V.S.W.R.	TBD	ok	ok	ok	ok	ok
C2	Insertion Loss	TBD	ok	ok	ok	ok	ok
C3	Voltage Breakdown	> 200V	> 200	> 200	> 200	> 200	> 200
M4	Pull Force	spec	ok	ok	ok	ok	ok
M6	Dimension	drawing	ok	ok	ok	ok	ok



4. Mechanical Drawing (See attached files)

1	2	3	4	5	6	7	8																																																												
<div>HF<input type="checkbox"/></div> <div>RoHS<input checked="" type="checkbox"/></div> <div>REACH<input type="checkbox"/></div> <div>CONFIDENTIAL</div>					<table><tr><td>SIGN</td><td>DATE</td><td>DESCRIPTION</td><td>APPROVER</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>			SIGN	DATE	DESCRIPTION	APPROVER																																																								
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<div>Note: 1.Mark * is important dimension;"Cpk "Identify for process control(CpK≥ 1.33). 2.Tolerance:Unmarked tolerance refer to the standard tolerance please.</div>																																																																			
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產品包裝規範

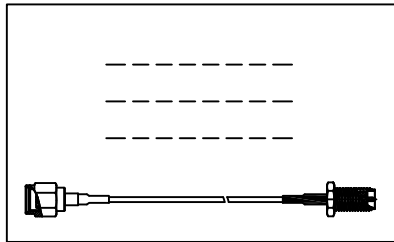
PACKING CRITERION

Date: 2022.05.13

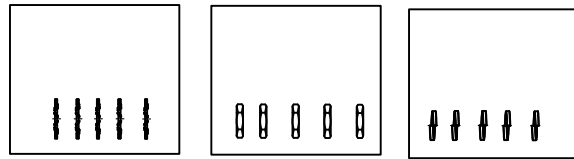
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Part Number : SMAMR8-3B0255-SMAFR8	Revision : A
Name: Coaxial Cable	Customer : ALL

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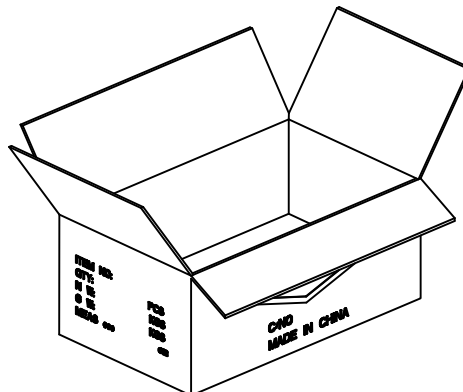


100PCS/PE BAG



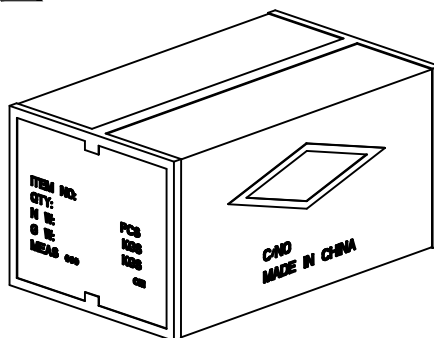
2000PCS/PE bag

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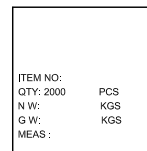


2000PCS/CARTON

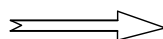
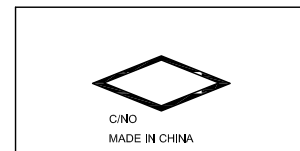
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SIDE



FRONT



APPROVED BY: YCX

CHECKED BY: PEAK

DESIGNED BY: HC