

specification

Customer : 优品电子

Customer P/N: 350-13802400-881-9

Part Name: BUILT IN ANTENNA

HJ P/N: 3N0701LG-007

Spec Description : OD1.13 GREY, P1 PORT MHF-1-
PLUG;P2 PORT STRIPPING WIRE,
L=347mm

Prepared Date: 2024/4/15

Signature			
Customer		Supplier	
Confirmed by		Prepared by	S. He
Approved by		Checked by	XIU HE
		Approved by	LIU FONG YONG

东莞市皇捷通讯科技有限公司

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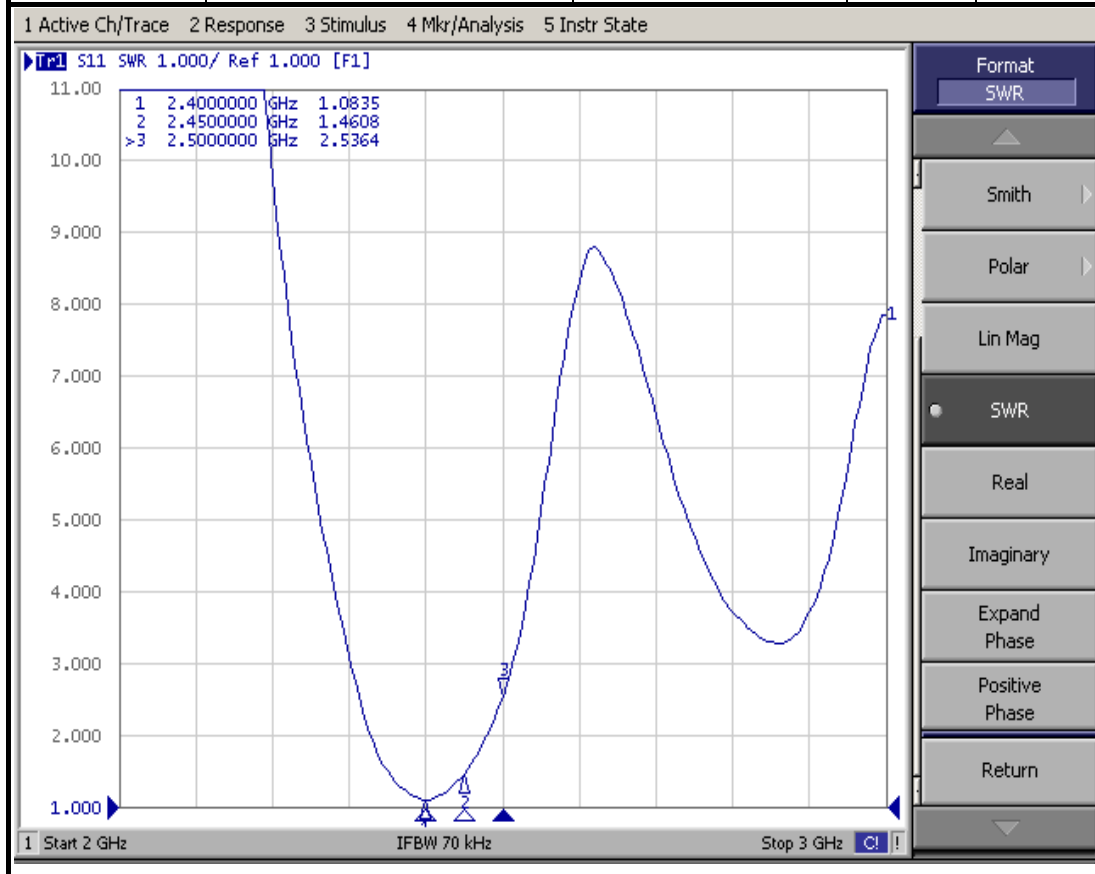
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Antenna Electrical Characteristic Test Report

NETWORK ANALYZER TEST REPORT

Doc No.:HJ-QR-Q-22 Rev:A0

Part Number:	3N0701LG-007	Item	Spec	Judge
Part Name:	OD1.13 GREY, P1 PORT MHF-1-PLUG;P2 PORT STRIPPING WIRE, L=347mm	Characteristic impedance	50Ω	pass
Test Equipment	NETWORK ANALYZER			
Q uantity	5pcs			
Test Date	2024/4/15			



Checker: XIU HE

Tester: S.He



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Antenna Electrical Characteristic Test Report

ANECHOIC CHAMBER TEST REPORT

Doc No.:HJ-QR-Q-22 Rev:A0

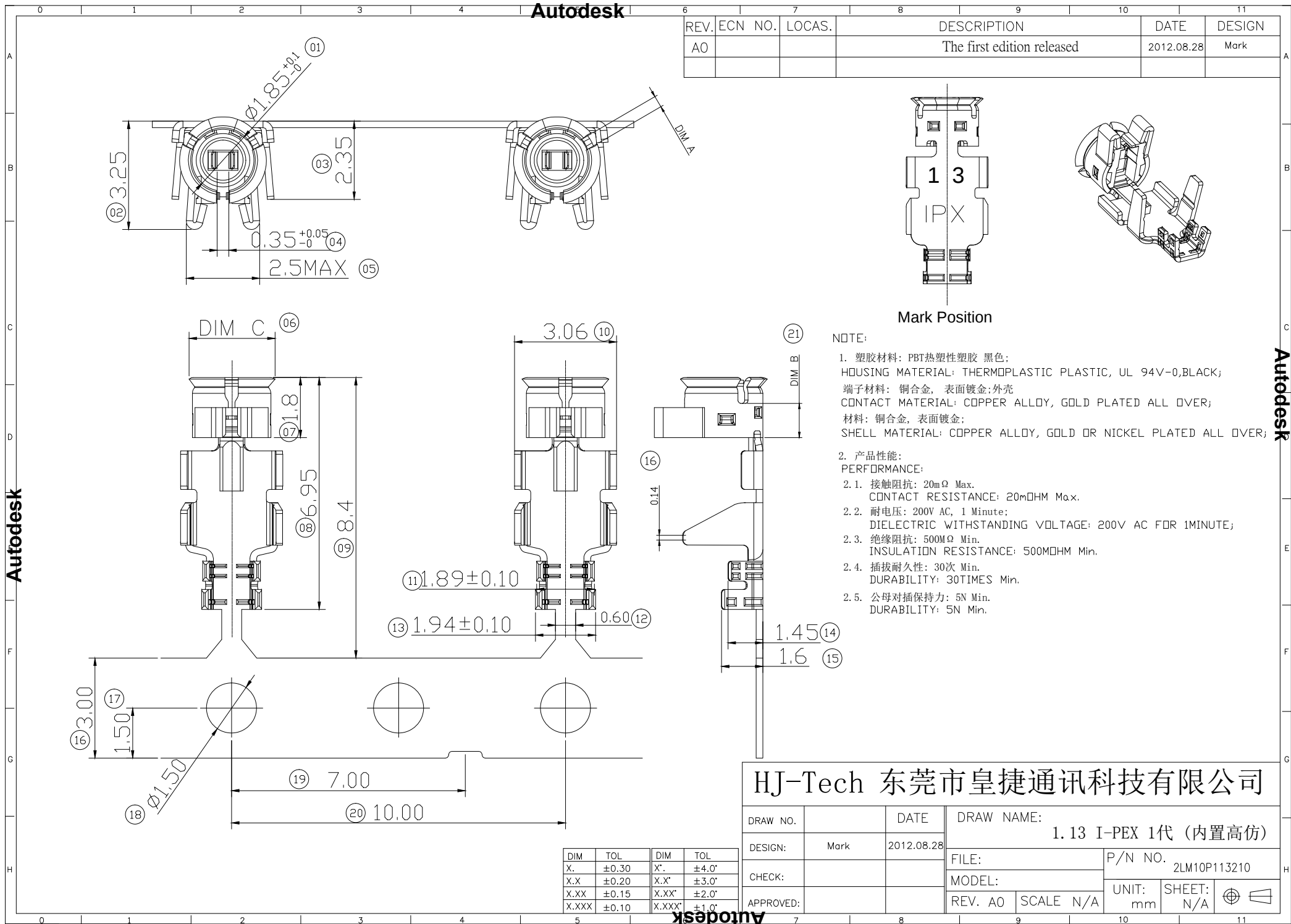
Part Number:	3N0701LG-007	Item	Spec	Judge
Part Name:	OD1.13 GREY, P1 PORT MHF-1-PLUG;P2 PORT STRIPPING WIRE, L=347mm	Characteristic impedance	50Ω	pass
Test Equipment	ANECHOIC CHAMBER			
Q uantity	5pcs			
Test Date	2024/4/15			

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-8.68	-8.84	-8.80	-8.70	-8.66	-8.51	-8.43	-8.44	-8.13	-8.25	-8.19
Gain (dBi)	-1.65	-1.74	-1.68	-1.52	-1.36	-1.17	-1.04	-1.03	-0.75	-0.97	-1.10
Efficiency (%)	13.56	13.06	13.19	13.50	13.60	14.08	14.36	14.32	15.39	14.96	15.18
Directivity (dB)	7.03	7.10	7.11	7.17	7.30	7.34	7.39	7.41	7.38	7.28	7.08
Peak Gain Position (Theta)	93.00	93.00	93.00	93.00	94.00	93.00	94.00	94.00	94.00	94.00	93.00
Peak Gain Position (Phi)	52.00	52.00	52.00	51.00	51.00	50.00	50.00	49.00	49.00	48.00	48.00
Efficiency ThetaPol (%)	7.29	6.99	7.03	7.16	7.19	7.42	7.58	7.53	8.02	7.74	7.81
Efficiency PhiPol (%)	6.28	6.07	6.16	6.34	6.41	6.66	6.78	6.79	7.37	7.22	7.38
Upper Hem. Efficiency (%)	5.11	4.93	5.02	5.17	5.12	5.33	5.37	5.28	5.73	5.50	5.60
Lower Hem. Efficiency (%)	8.45	8.13	8.17	8.33	8.48	8.75	8.98	9.04	9.66	9.46	9.59

2400MHZ	2450MHZ	2500MHZ

Checker: XIU HE

Tester: S.He



江阴凯博通信科技有限公司

JiangYin KaiBo Communication Technology CO.,LTD.

DATE : 2017-4-8

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1. 适用范围:

Scope

本规格书制定了 RF113 50 Ω FEP 绝缘射频电缆的结构和电气特性.

This specification covers the construction and the electrical properties of RF113 50 Ω FEP Insulation Coaxial Cable

2. 结构/Construction:

单位/Unit:mm

项目/Item		详细资料/Details
导体/Conductor	材料/Material	镀银铜线/Silver plated Copper
	构成(根/mm)/Composition (No. /mm)	7/0.08 $\pm$ 0.005
	标称直径/NOM. O. D	0.24 $\pm$ 0.01
绝缘层 /Insulation	材料/Material	聚全氟乙丙烯/FEP
	标称外径/NOM. O. D	0.7 $\pm$ 0.03
	颜色/Color	Natural
编织层/Braid Shield	材料/Material	镀锡铜线 Tinned copper
	构成/Composition	16/4/0.05 $\pm$ 0.005
	遮蔽率/ Shielding rate	$\geq$ 90%
	标称直径/NOM. O. D	0.92 $\pm$ 0.03
护套/Jacket	材料/Material	聚全氟乙丙烯/FEP
	标称外径/NOM. O. D	1.13 $\pm$ 0.05
	颜色/Color	/

3. 电气特性(20℃时)/Electrical Properties(at 20℃)

项目/Item	单位/Unit	详细资料/Details	
电容/Capacitance	pF/m	98	
特性阻抗/Conductor Resistance	Ω	50 $\pm$ 3.0	
耐压强度/Dielectric Strength	A. C V/1min	1000	
最大工作频率/Max. oper. frequency	MHz	6000	
抗拉强度/Tensile strength	kgf/mm ²	1.76	
工作温度范围/Operating Temp.	℃	-55to200	
衰减/Attenuation	/	频率 /Frequency (MHz)	dB/1m
		1000	$\leq$ 2.23
		2000	$\leq$ 3.15
		3000	$\leq$ 3.96
		4000	$\leq$ 4.6
		5000	$\leq$ 5.15
		6000	$\leq$ 5.7
驻波比/Standing wave (0-6GHz)	/	$\leq$ 1.4	