



WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)
DONGGUAN AEON TECH CO.,LTD.(CHINA)
SUZHOU AEON TECH CO.,LTD.(CHINA)
AEON TECH (SHANGHAI) CO.,LTD(CHINA)
DONGGUAN PARNER TECH CO.,LTD.(CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 台揚科技股份有限公司

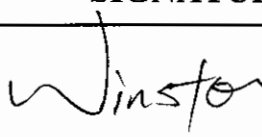
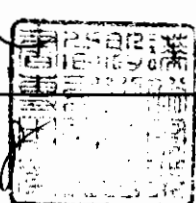
PART NAME: RF Antenna Cable Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C841-540029-A(SSR-81065)

REV.: X1

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :		
DATE :	03/07/08 	

WHA YU GROUP

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

譚裕實業股份有限公司

Address: No. 326, Sec. 2, Kung Tao 5 Road, Hsin Chu City, Taiwan, R.O.C.

Tel: +886-3-5714225(REP.) Fax: +886-3-5713853 · +886-3-5723600

DONGGUAN AEON TECH CO., LTD.(CHINA)

東莞台霖電子通訊有限公司

Address: Hupan Industrial District, Tai Ling Shan Town, Dong Guan City, Guangdong, China

Tel: +86-769-85655858 Fax: +86-769-85655258

SUZHOU AEON TECH CO., LTD.(CHINA)

蘇州華廣電通有限公司

Address: Limin North Road, LiLi Town, LiLi Industrial Park, LinHu Economic Zone

Wujiang City, Jiangsu Province, China

Tel: +86-512-63627980 Fax: +86-512-63627981

AEON TECH (SHANGHAI) CO., LTD(CHINA)

普翔電子貿易(上海)有限公司

Address: Flat 501, 5F, Build 27, NO.68, Guiqing Road, Huhui District, Shanghai, China

Tel: +86-21-64959151 Fax: +86-21-64959059

DONGGUAN PARNER TECH CO., LTD.(CHINA)

東莞倍能電子有限公司

Address: Hupan Industrial District, Shida Road, Tai Ling Shan Town,

Dong Guan City, Guangdong, China

Tel: +86-769-81662366 Fax: +86-769-81602681

Contents

<i>Item</i>	<i>Description</i>	<i>Page</i>
1.	天線規格表	 1
2.	成品圖	 2
3.	測試報告	 3~4
4.	Cable 規格	 5~6
5.	Connector 材質特性	 7~8

SPECIFICATION

1. Electrical Specification

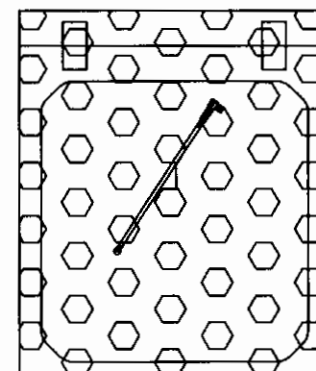
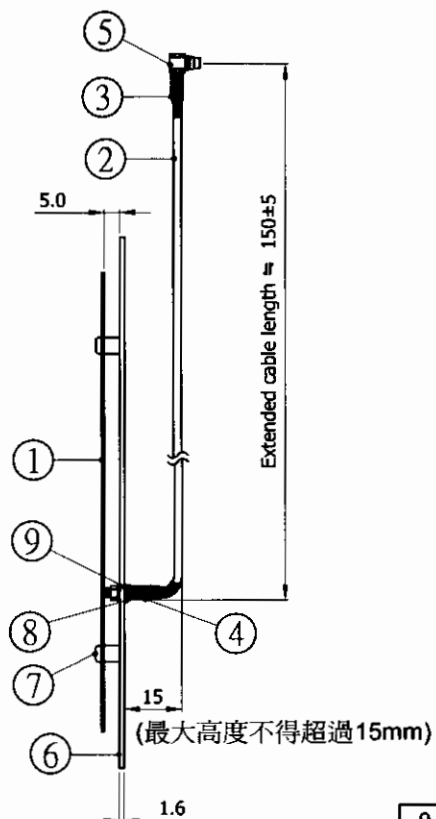
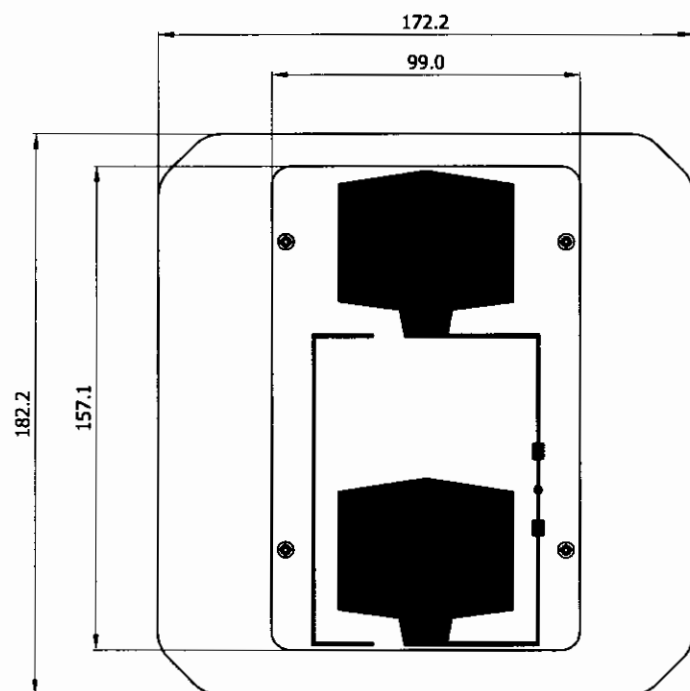
1.1	Frequency Range :	2.4 ~ 2.5GHz
1.2	Peak Gain:	11dBi typ.
1.3	VSWR:	2:1 max.
1.4	HPBW/H:	67° typ..
1.5	HPBW/E:	32° typ.
1.6	Impedance:	50Ω
1.7	Polarization:	Linear; Vertical
1.8	Power Handling:	10 W
1.9	Connector:	RA MMCX Plug
1.10	Extended Cable	RG-316, L=150 mm.

2. Mechanical Specification

2.1	Operating Temperature:	-30℃~+80℃
2.2	Storage Temperature:	-40℃~+85℃
2.3	Humidity:	90% RH
2.4	Reflecting Plate Material:	Alu 6061 T1.6mm
2.5	Dimension(WxLxH):	172.2 x 182.2 x 7.5 (mm)
2.6	Weight:	165 gf

CG-

REV	DATE	DESCRIPTION
X1	3/27-2008	NEW ISSUE



Packing : 1pcs / 氣泡袋

9	O-Ring	NBR	1	
8	Adapter	RG-316 Pin adapter	1	
7	Screw	Carbon Steel ; Plated Nickel	4	
6	Reflecting plate	AL6061	1	
5	Connector	MMCX Right Angle Plug ; for 6GHz	1	
4	H.S Tube	Heat Shrink Tube ; Black	1	
3	H.S Tube	Heat Shrink Tube(含膠) ; Black	1	
2	Coaxial cable	RG-316 Cable	1	
1	PCB	FR4	1	
NO	DESCRIPTION		Q'TY	REMARK

CUSTOMER'S SINGATURE

XX.	±5	APPROVED	just 03/27/08
X.	±3.0	CHECKED	許文男 3/1/08
.X	±1.0	DRAWING	黃淑宜
.XX	±0.5		
.XXX	±0.1		

CUSTOMER: 台揚		
PART NO :		
PARTNAME: RF Antenna Cable Assembly		
W.Y P/NO : C841-540029-A		
REV	UNIT	FILE :
X1	m/m	SHEET : 1/1

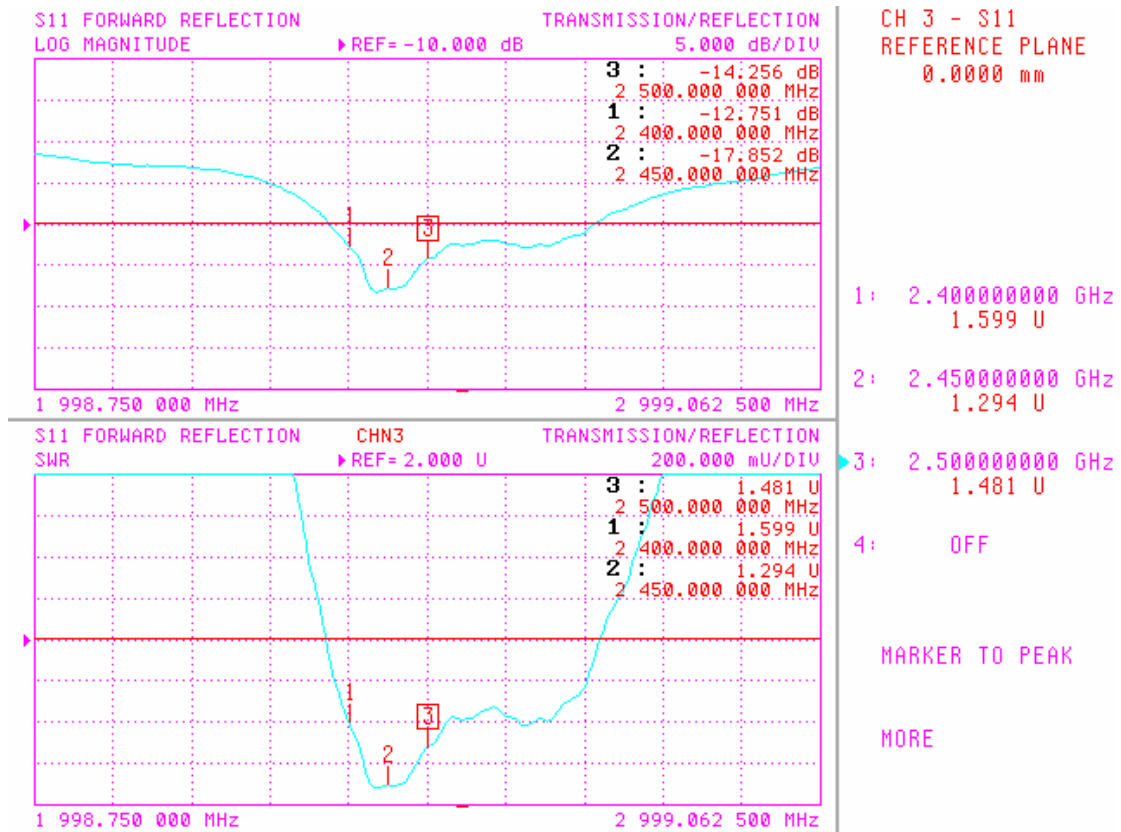
M.gear Wha Yu Group

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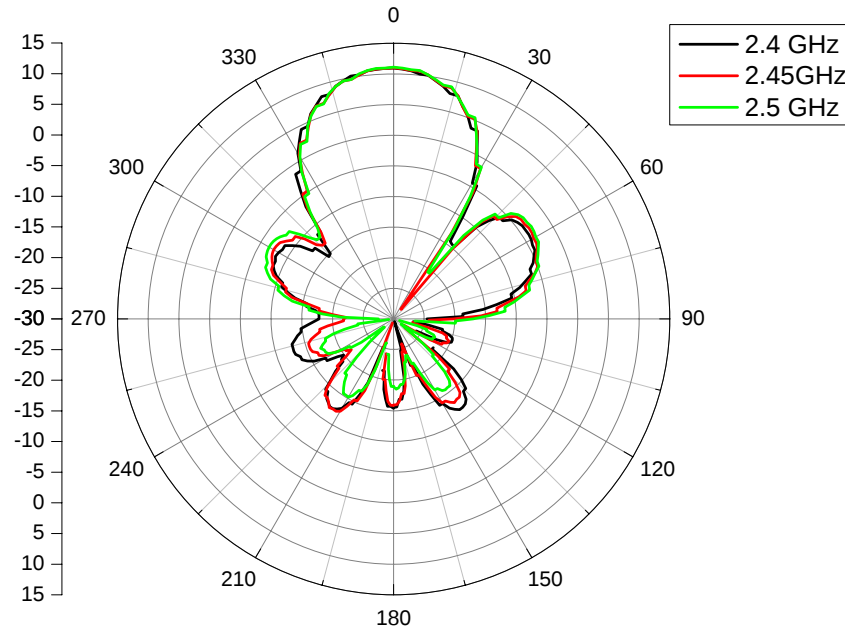
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VSWR & Return Loss

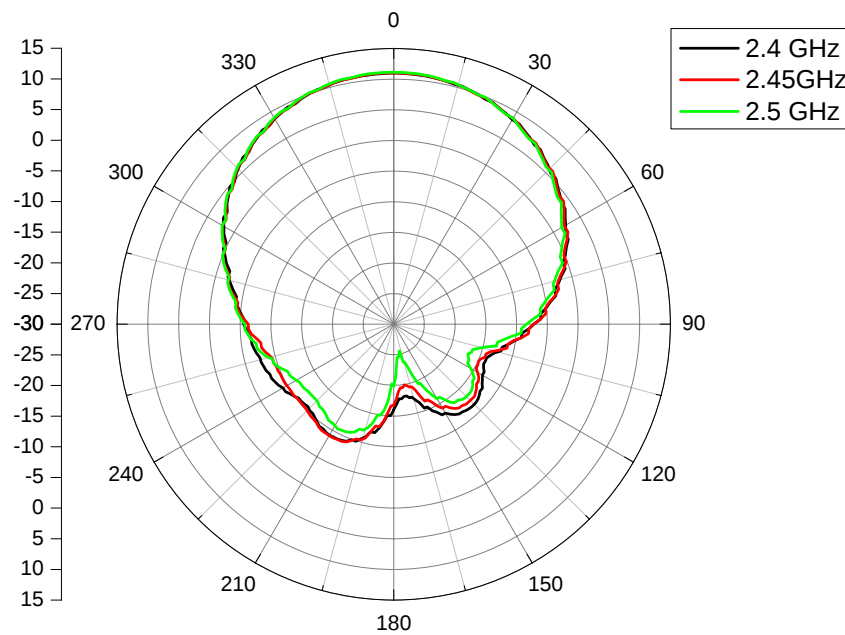


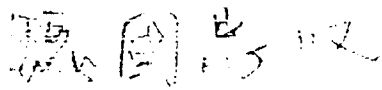


E Plane Co-Polarization Patterns



H Plane Co-Polarization Patterns





日進電線股份有限公司 NIZING ELECTRIC CO., LTD.

台北縣新莊市三泰路 11 之 15 號 11-15 Santai Rd, Hsinchuang, Taipei Hsien, Taiwan, R.O.C.
Tel : (02)29016164, 29087519 Fax : 886-2-29050644 E-mail : shenbingnizing@yahoo.com.tw

規 格 書

1. 品名：RG-316/U

2. 電線結構及特性：

項	目	單 位	規 格 明 細
1. 絞合導體	材質	---	鍍銀銅包銅線
	構造	No/mm	7/0.175
	導體外徑	mm	0.53
2. 絕緣押出	材質	---	Teflon FEP
	外徑	mm	1.52 ± 0.08
	顏色	---	自然色
3. 編織導體	材質	---	鍍銀銅線
	構造	No/mm	16/5/0.1
	外徑	mm	約 1.92
	遮蔽率	%	95↑
4. 外被押出	材質	---	Teflon FEP
	外徑	mm	2.50 ± 0.1
	顏色	---	棕色
5. 特性阻抗	---	歐姆	50 ± 2

3. 包裝方式：300mm 塑膠軸

4. 包裝單長：1200 M/軸

5. 月產能：50,000 M

RG316/U 構造尺寸量測值

項	目	單位	規格明細	規格量測值 NO:				
				1	2	3	4	5
1. 絞合導體	材質	----	鍍銀銅包銅線	OK	OK	OK	OK	OK
	構造	No/mm	7/0.175	OK	OK	OK	OK	OK
	導體外徑	mm	0.53	0.530	0.525	0.535	0.520	0.530
2. 絕緣押出	材質	----	Teflon FEP	OK	OK	OK	OK	OK
	外徑	mm	1.52 ±0.08	1.52	1.51	1.52	1.52	1.51
	顏色	----	自然色	OK	OK	OK	OK	OK
3. 編織導體	材質	----	鍍銀銅線	OK	OK	OK	OK	OK
	構造	No/mm	16/5/2.1	OK	OK	OK	OK	OK
	外徑	mm	約 1.92	1.98	2.05	2.03	1.99	2.05
	花數	Pick / inch	12.8±2	12.80	12.80	12.80	12.80	12.80
	遮蔽率	%	95以上	95.24	95.24	95.24	95.24	95.24
4. 外被押出	材質	----	Teflon FEP	OK	OK	OK	OK	OK
	外徑	mm	2.5 ±0.1	2.50	2.52	2.51	2.53	2.50
	顏色	----	棕色	OK	OK	OK	OK	OK

主管



檢查者 盧國銘 92.11.11



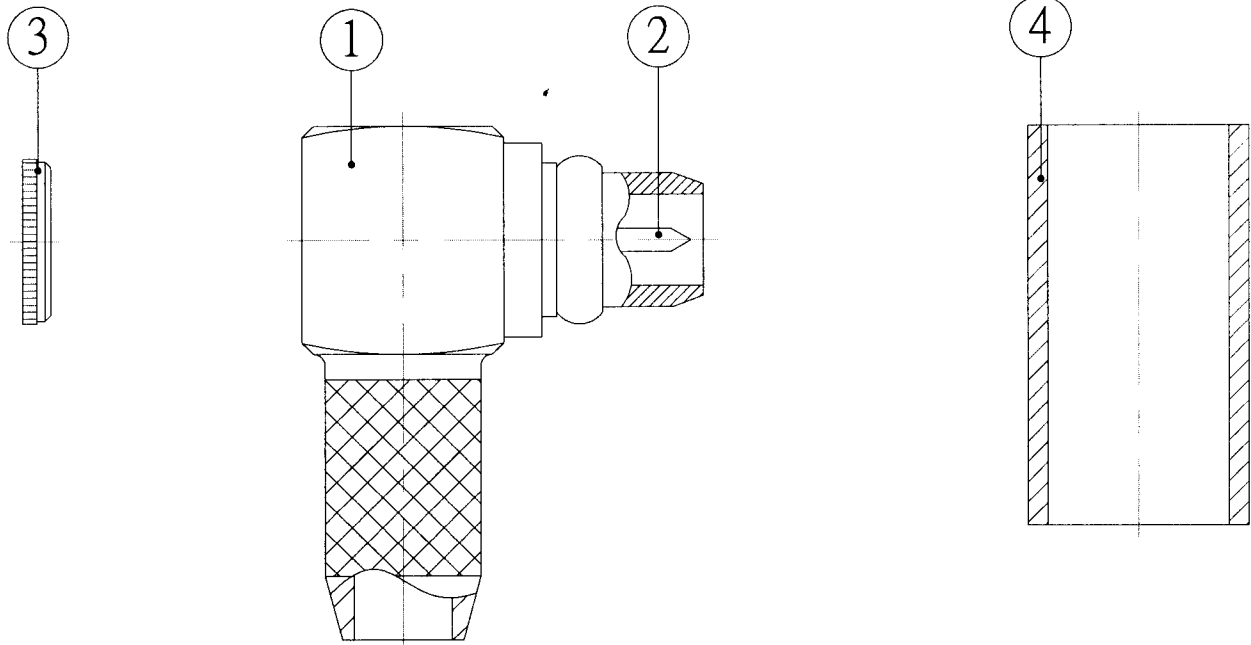
譚裕實業股份有限公司

WHA YU INDUSTRIAL CO., LTD

Connector 材質證明書

譚裕料號 Whayu P/N	100-2002031-AZ	產品名稱 Product Name	MMCX STD R/A Crimp Plug For RG-316 & RG-174
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結構圖面



材質成份

表面處理

1	本體	Brass	Cu	Pb	Fe	Fe+Sn	Zn		鍍金
2	中心針	Brass	Cu	Pb	Fe	Fe+Sn	Zn		鍍金
3	CAP	Brass	Cu	Pb	Fe	Fe+Sn	Zn		鍍金
4	尾管	Copper	Cu	Pb	Fe	Fe+Sn	Zn		鍍金

Remark :

請蓋公司章





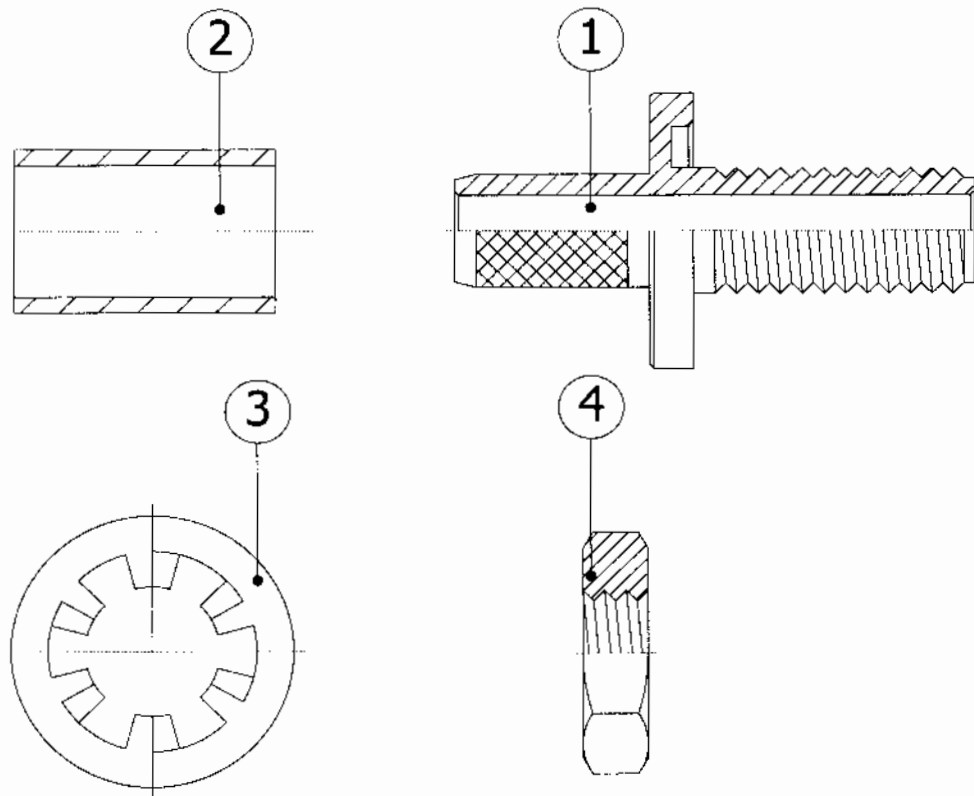
華裕實業股份有限公司

WHA YU INDUSTRIAL CO., LTD

Connector Material Data Sheet

華裕料號 Whayu P/N	100-4011013-AZ	產品名稱 Product Name	RG-316 Pin Adapter
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Structural Drawing



Material									Surface
1	Ferrule	Brass	Cu	Pb	Fe	Fe+Sn	Zn		Plated Gold
2	Body	Brass	Cu	Pb	Fe	Fe+Sn	Zn		Plated Gold
3	Washer	Brass	Cu	Pb	Fe	Fe+Sn	Zn		Plated Gold
4	Nut	Brass	Cu	Pb	Fe	Fe+Sn	Zn		Plated Gold

Remark :

