

承認書

APPROVAL SHEET

客戶名稱： 精英電腦股份有限公司
CUSTOMER
品 名： CABLE PIFA ANTENNA G733
DRAWING NAME
鴻呈料號： F0763
VSO PART NO.
客戶料號： _____
CUSTOMER PART NO.

APPROVAL BY

業務部門
SALES DIV.:

品管部門
QC DIV.:

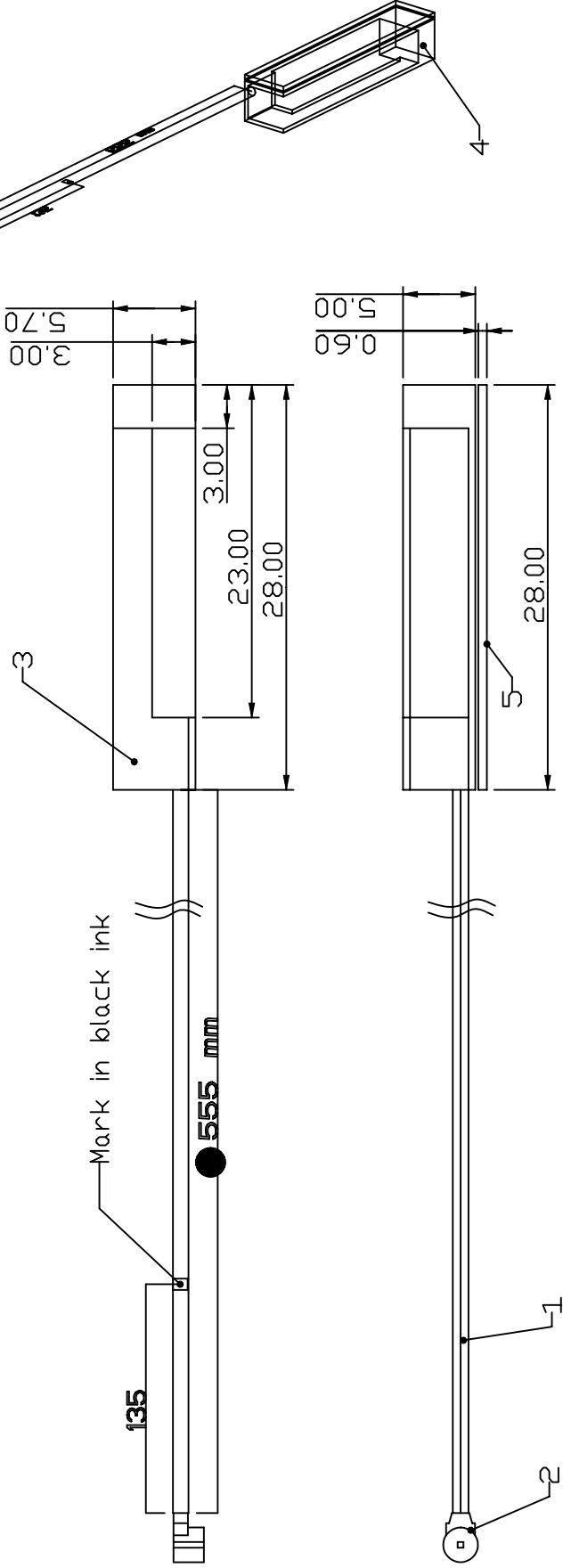
工程部門
TECHNIQUE DIV:

採購部門
PURCHASE DIV:

鴻呈實業股份有限公司

台北縣中和市員山路 581 巷 31 弄 1-8 號 4 樓 TEL: (02)3234-3038 FAX: (02)3234-3056
4F., NO.1-8 ALLEY31, LANE581, YUEN-SHAN RD., CHUNG-HO CITY, TAIPEI HSIEN,
TAIWAN R.O.C.

HISTORY	
REV.	DESCRIPTION BY
	ORIGINAL DRAWING Shoga
	Formal Release Shoga



Note : The PIFA type and solder point must same as the G736 ANTENNA PIFA,

5	SPONGE TAPE	28X5.7X0.6
4	SPONGE	6.0*3.2*4.8T
3	PIFA Antenna	28*5.7*4.8T
2	Connector	20278-111R-13
1	Coaxial Cable	0.7DS-PBE<GRAY>
ITEM	NAME	DESCRIPTION

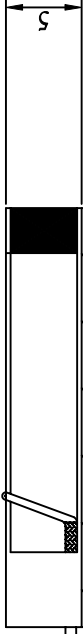
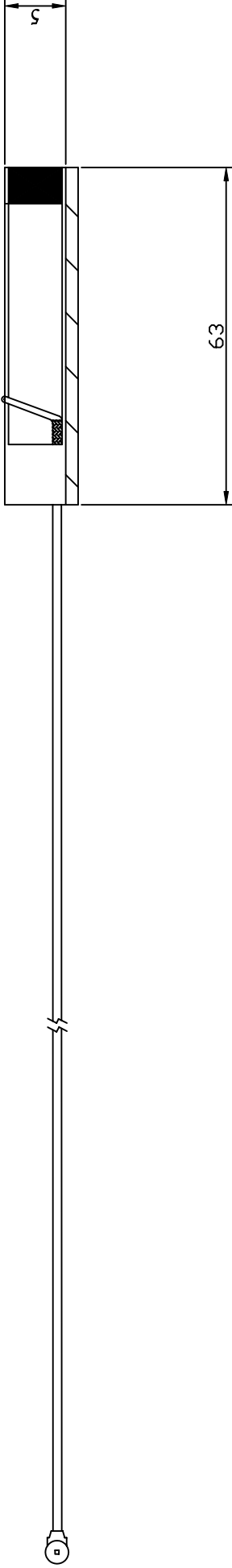
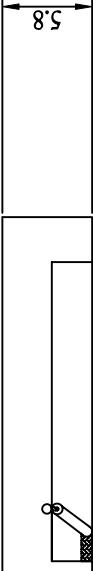
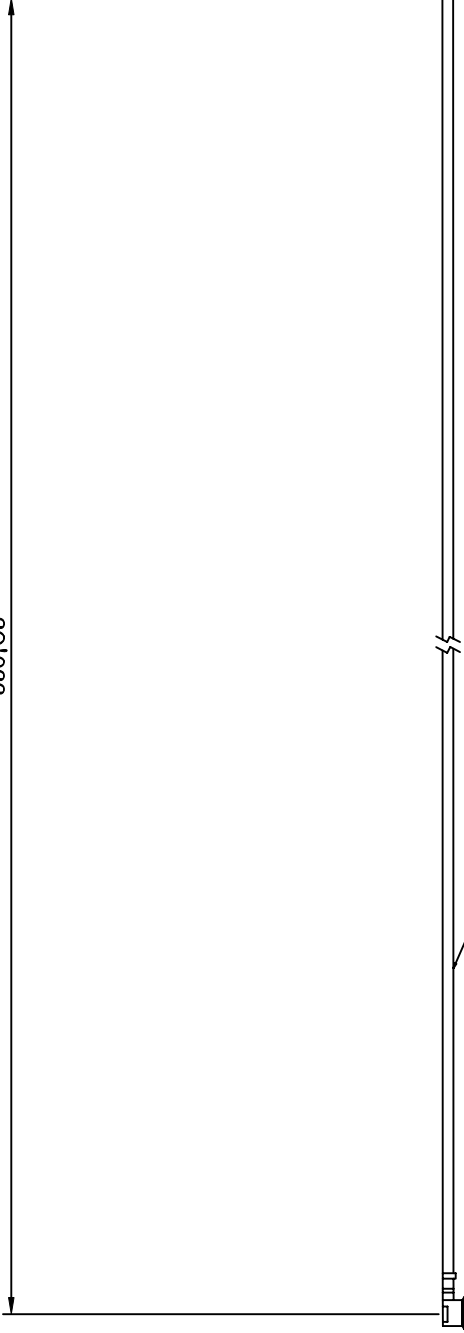
Stage
PP_01

1	13-130-F46011	*	ANTENNA SET,FIFA...G733E..	
ITEM	PART NO.	CUSTOMER NO.	DESCRIPTION	REMARK
ECS CORPORATION				
MODEL	G733E			
NAME	CABLE_PIFA_ANTENNA_G733E			APPROVAL: Jason
MATERIAL	TBD	UNIT	mm	PROJECT LEADER:
FINISH	TBD	SCALE	1 : 1	CHECK: Rich
	THE 3RD PROJECTION	DO'NT SCALE DRAWING	1 : 1	DRAWN: Shoga
DWG. NO.	G733-3-4-AF	DATE	24-Dec-03	REVISION 1,0
				SHEET 1/1



550±03

I-PEX1.13



DRW	DATE	VSO ELECTRIC CO.,LTD	
CHK	DATE	TITLE	
APP	DATE	CABLE PIFA ANTENNA G733	
CUSTOMER	G733	DWG NO	F0763
		SHEET	1 OF 1
		REV	A

TECHNICAL DATA

ELECTRICAL PROPERTIES

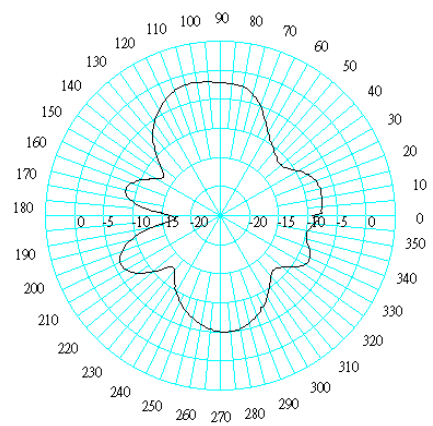
FREQUENCY RANGE	2.4 ~ 2.5 GHZ
IMPEDENCE	50Ω
VSWR	≤2
PROTOCOL SPEC.	802.11B
POLARIZATION	VERTICAL
ELECTRICAL WAVE	λ /4 DIPOLE
CONNECTOR	IPEX 或 同級品
WIRE	φ 1.13 COAXIAL CABLE 或 同級品

MECHANICAL PROPERTIES

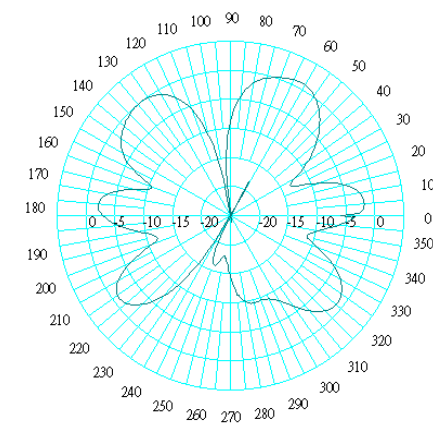
ANTENNA COVER	NONE
COLOR	NONE
OPERATION TEMPERATURE	-20 ~ +60 °C
STORAGE TEMPERATURE	-30 ~ +75 °C

天線垂直及水平場效圖

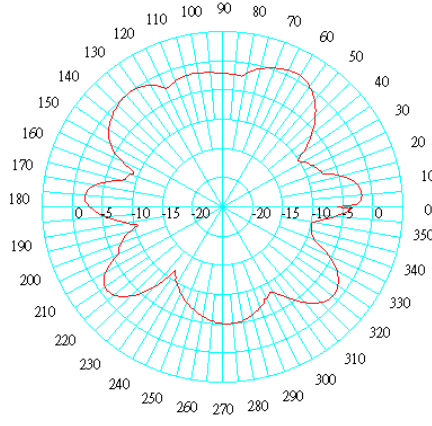
H-PLANE-2.4GHZ=-1.6dbi



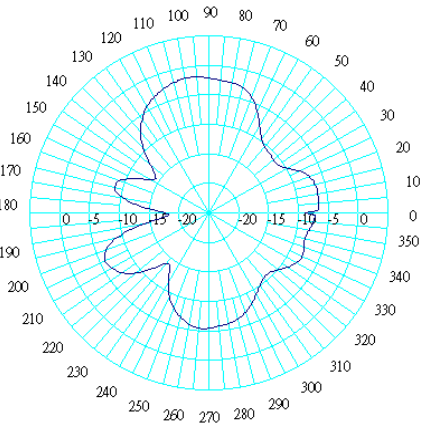
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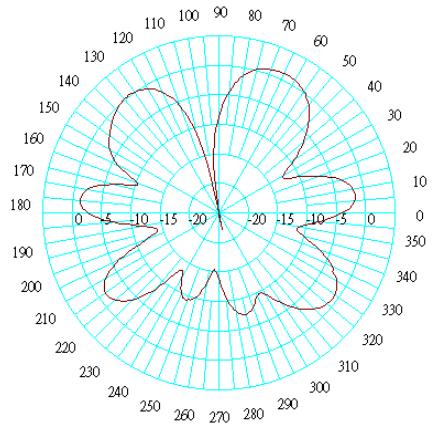
H+E



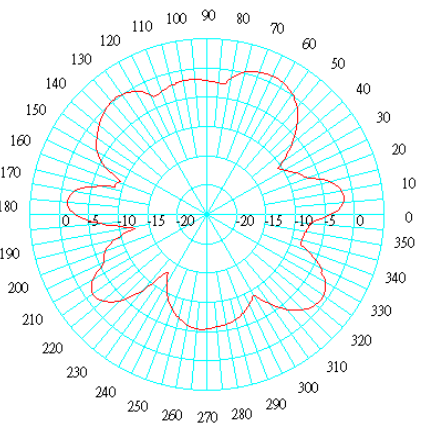
H-PLANE-2.45GHZ=-1.7dbi



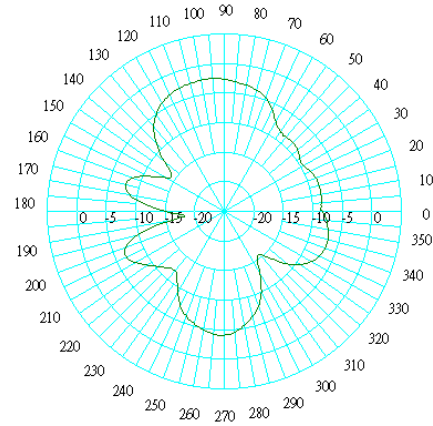
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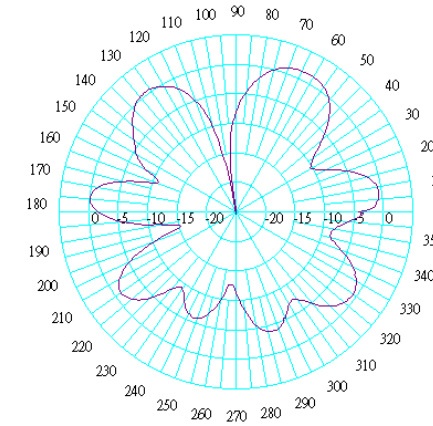
H+E



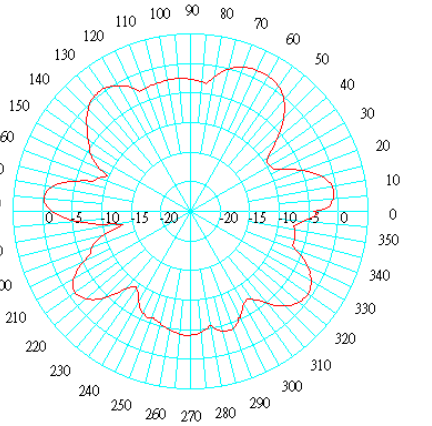
H-PLANE-2.5GHZ=-2.4dbi



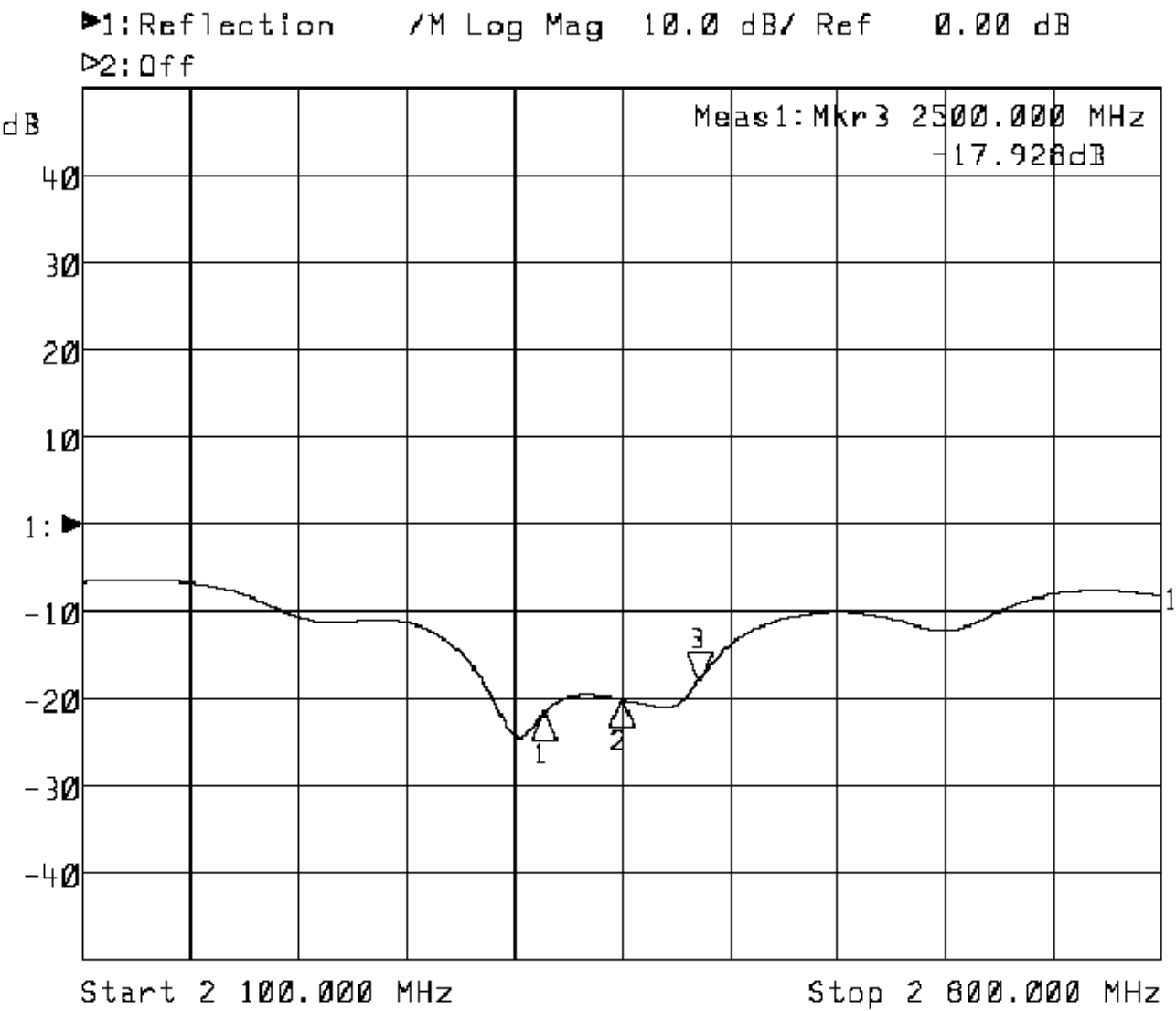
E-PLANE-2.5GHZ=+1.3dbi



H+E

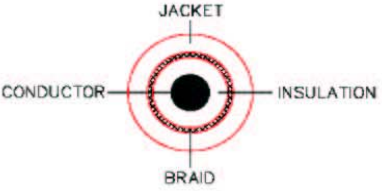


RETURN LOSS (廻損)

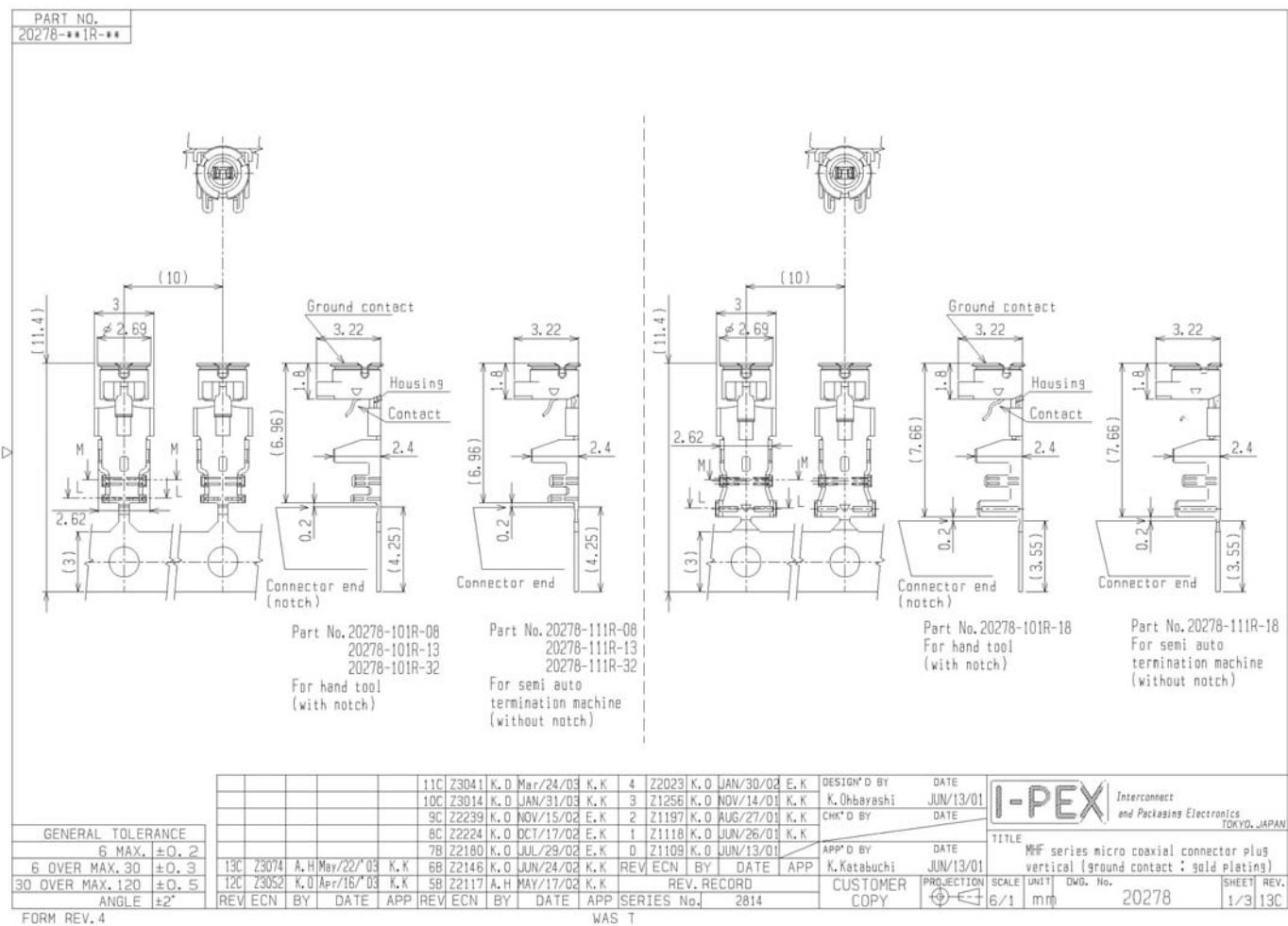
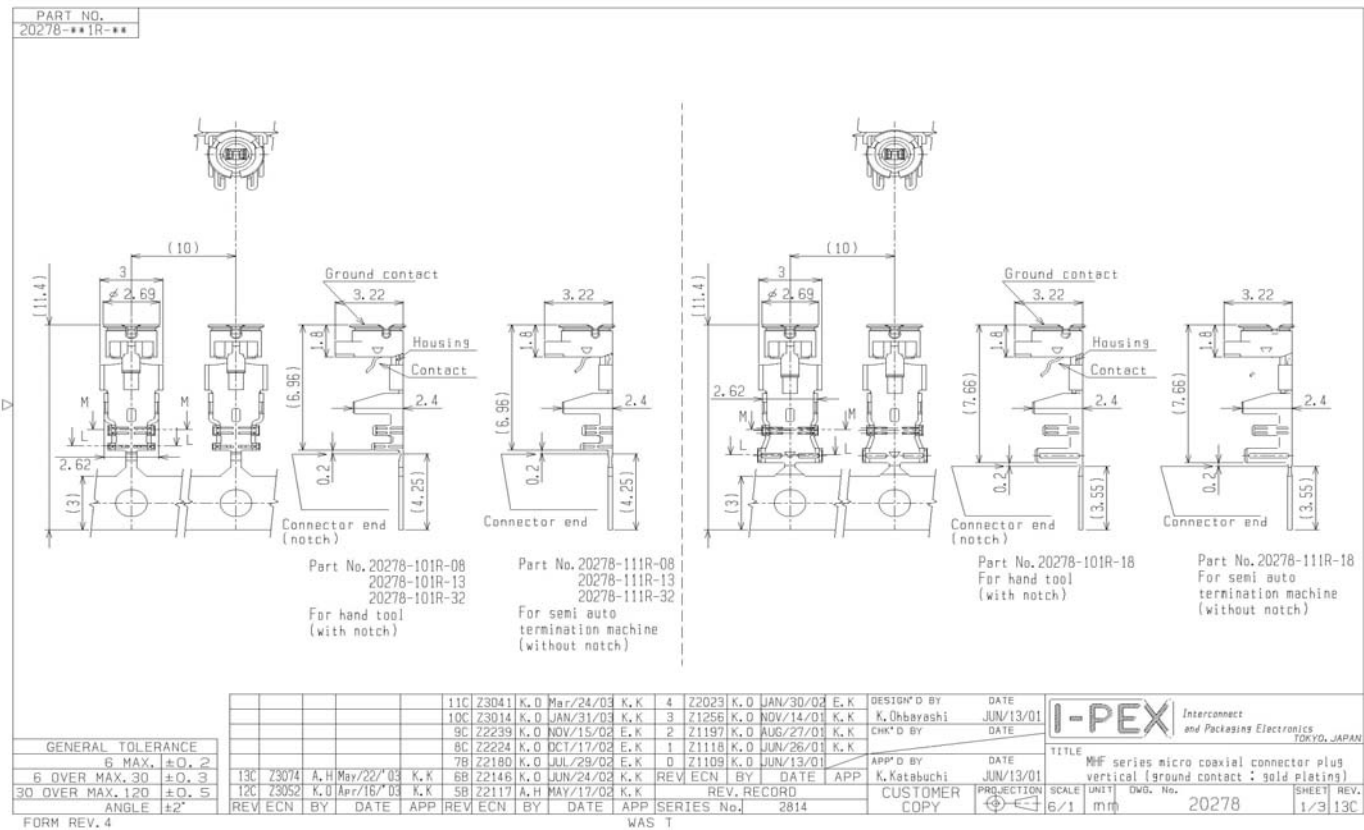


1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 2400.0000	-21.589		
2: 2450.0000	-20.104		
3> 2500.0000	-17.928		

φ 1.13 COAXIAL CABLE 線材特性資料

A		B		C																																																		
ISSUE	QTY	ECN NO.	REVISED DESCRIPTION	DATE	APPROVED																																																	
0																																																						
1			UL 1354 80°C 30V COAXIAL CABLE 1.CONDUCTOR: 32AWGx1C, SILVER PLATED COPPER WIRE. 2.INSULATION: FEP,φ0.70±0.02mm, SELF-COLOR. 3.SHIELD: BRAID (16/4/0.05) SILVER PLATED COPPER WIRE,COVERAGE 90% NOM. 4.JACKET: FEP,φ1.13+0.08/-0.05mm,COLOR: GRAY,GB COLOR: 117,NO MARKING.																																																			
2			NOTE: 1.RATING TEMPERATURE: 80°C 2.ELECTRICAL PROPERTIES: 2-1.INSULATION RESISTANCE: DC/250V 1000Mohm.m MIN.. 2-2.VOLTAGE RATING : 30V. 2-3.WITHSTAND VOLTAGE: AC/500V RMS FOR ONE MINUTE. 2-4.CONDUCTOR RESISTANCE: LESS THAN 520ohm/KM(at 20°C) 2-5.CAPACITANCE: 97pF/M(NOMINAL) 2-6.IMPEDANCE: 50±2 ohm @ TDR. 2-7.																																																			
3			<table border="1"><thead><tr><th colspan="2">NOM. ATTENUATION(dB/M)</th></tr></thead><tbody><tr><td>1.0GHz</td><td>2.06</td></tr><tr><td>2.0GHz</td><td>2.97</td></tr><tr><td>2.4GHz</td><td>3.27</td></tr><tr><td>2.45GHz</td><td>3.31</td></tr><tr><td>2.5GHz</td><td>3.35</td></tr><tr><td>3.0GHz</td><td>3.69</td></tr><tr><td>4.0GHz</td><td>4.31</td></tr><tr><td>5.0GHz</td><td>4.87</td></tr><tr><td>5.15GHz</td><td>4.95</td></tr><tr><td>5.25GHz</td><td>5.00</td></tr><tr><td>5.35GHz</td><td>5.05</td></tr><tr><td>6.0GHz</td><td>5.38</td></tr></tbody></table>	NOM. ATTENUATION(dB/M)		1.0GHz	2.06	2.0GHz	2.97	2.4GHz	3.27	2.45GHz	3.31	2.5GHz	3.35	3.0GHz	3.69	4.0GHz	4.31	5.0GHz	4.87	5.15GHz	4.95	5.25GHz	5.00	5.35GHz	5.05	6.0GHz	5.38																									
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4			3.VENDOR: GOLDEN BRIDGE ELECTECH OR EQUIVALENT.																																																			
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IPEX 接頭特性資料



Notes

1. Material

(1) Housing : PBT, UL94V-0, black

(2) Contact

phosphor bronze
gold plating 0.1 μ m MIN.
over nickel 1.27 μ m MIN.

(3) Ground contact

phosphor bronze
gold plating 0.05 μ m MIN.
over nickel 1.27 μ m MIN.

2. Packing : reel

3. Mating partner part No.

: 20279-001E-01

4. Permissible load of cable at mating

1. 材料

(1) ハウジング:PBT, UL94V-0, 黒色

(2) コンタクト

収縮
金メッキ0.1 μ m MIN.
下地 ニッケル1.27 μ m MIN.

(3) グランドコンタクト

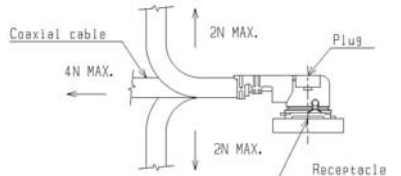
りん青銅
金メッキ0.05 μ m MIN.
下地 ニッケル1.27 μ m MIN.

2. 梱包 : リール

3. かん合相手 part No.

: 20279-001E-01

4. コネクタかん合後のケーブルに対する荷重

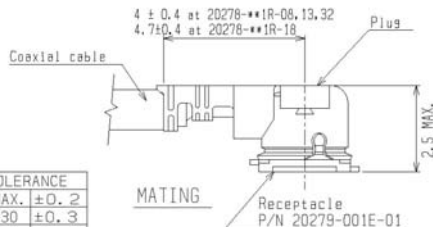


5. Suggestions for mating & unmating operation.

5-1 Mating.

Please mate the connector straightly to vertical direction as much as possible, adjusting the mating axis of plug and receptacle.

As excessive slant angle mating may break the connector, please don't do it.



5. コネクタかん合時および抜去時の注意

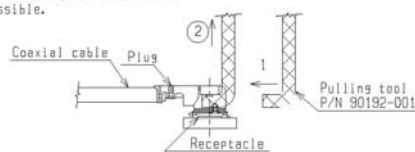
5-1 コネクタ挿入時

PlugとReceptacleのかん合軸を合わせ、できるだけ垂直に挿入して下さい。極端な斜め挿入は行わないで下さい。コネクタ破損の原因となりますので、過度なこじり挿抜は行わないで下さい。

5-2 Unmating.

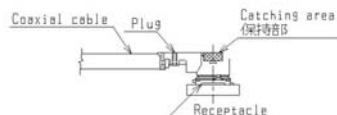
(1) In case of unmating by pulling tool.

Please use the pulling tool as the following drawing, and please pull plug to vertical direction as directly as possible.



(2) In case of unmating directly by hand

Please catch the catching area of plug, and please pull plug to vertical direction as directly as possible.



5-2 コネクタ抜去時

(1) 抜きシグを用いる場合
下図のようにできるだけ垂直に引き抜いて下さい。(2) 手で直接引き抜く場合
下図の保持部をつかみ、できるだけ垂直に引き抜いて下さい。

5-3 Crimp over standards of outer conductor

Standards: Less than 10% from total numbers of outer conductor (Numbers of outer conductor's crimp over from outer conductor's barrel)

5-4 Caution about Heat shrinkage tubes

Please be careful not to melt housing when using heat shrinkage tubes. It will become cause of open circuit.

5-3 外部導体はみ出し量

外部導体はみ出し量規定 : 外部導体トータル本数の10%以下 (外部導体/バレルの外にみ出した量)

5-4 熱収縮チューブについての注意

熱収縮チューブで外部導体を覆う場合は、導通不良の原因になりますので、熱によりハウジングを溶融させないよう注意してください。

GENERAL TOLERANCE	
6 MAX.	±0.2
6 OVER MAX. 30	±0.3
30 OVER MAX. 120	±0.5
ANGLE	±2°

FORM REV. 4

WAS T

DESIGN'D BY	DATE	I-PEX Interconnect and Packaging Electronics TOKYO, JAPAN
CHK'D BY	DATE	
APP'D BY	DATE	
REV. RECORD	DATE	TITLE
SERIES No.	2014	
CUSTOMER COPY	PROJECTION	SCALE UNIT DWG. No. SHEET REV.
		~/- mm 20278 3/3 13C