

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.:

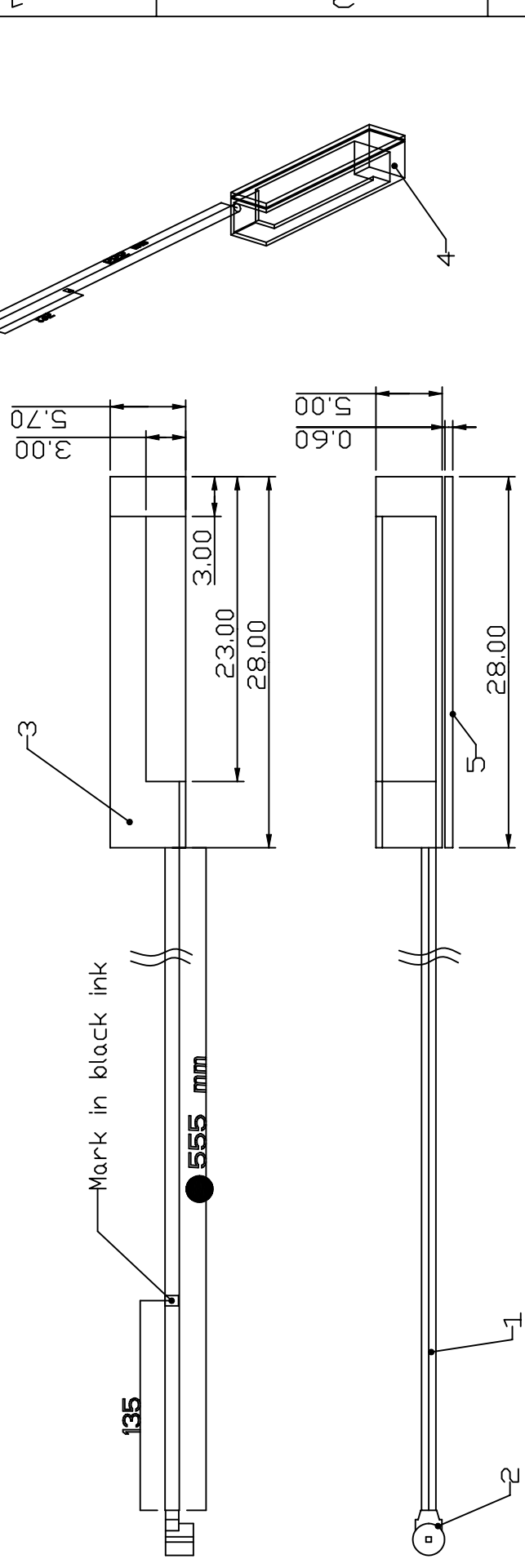
工程部門
TECHNIQUE DIV.:

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	28X5.7XTO.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..	REMARK
ITEM	PART NO.	CUSTOMER NO.	DESCRIPTION	REMARK
ECS CORPORATION				
MODEL	G733E			APPROVAL: Jason
NAME	CABLE_PIFA_ANTENNA_G733E			PROJECT LEADER:
MATERIAL	TBD	UNIT	mm	CHECK: Rich
FINISH	TBD	SCALE	1:1	DRAWN: Shoga
	THE 3RD PROJECTION			DO'NT SCALE DRAWING
DWG. NO.	G733-3-4-AF	DATE	24-Dec-03	REVISION
				1,0
				SHEET
				1/1

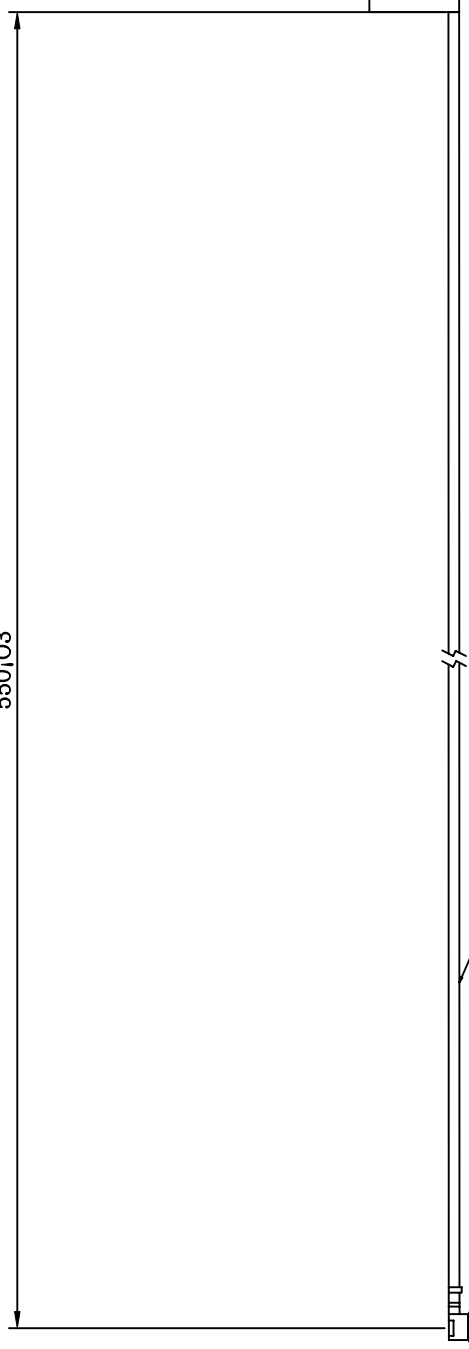
DRAW ID
CD

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AND THE CONTROLLING ENGINEERING ORGANIZATION
SHOULD BE CONTACTED FOR THE LATEST REVISION.

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AUTHORIZATION FROM VSO LTD



550±0.3



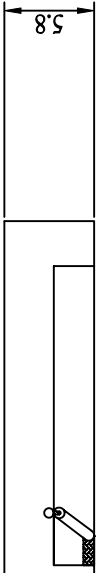
I-PEX1.13



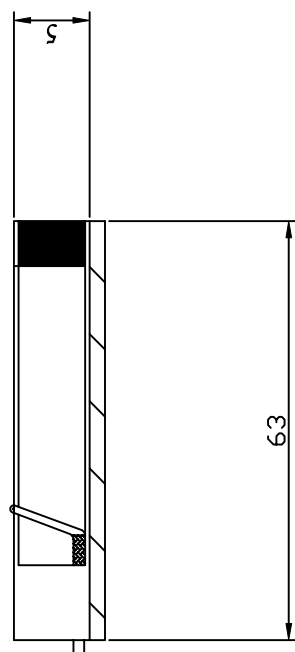
CRITICAL
DIMENSION



THIRD ANGLE
PROJECTION



5.8



5

63

D

C



B

A

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

2

3

4

1

TECHNICAL DATA

ELECTRICAL PROPERTIES

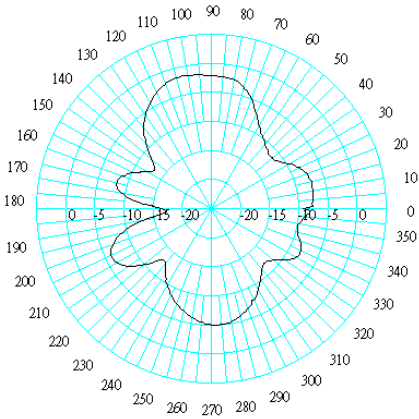
FREQUENCY RANGE	2.4 ~ 2.5 GHZ
IMPEDENCE	50Ω
VSWR	≤2
PROTOCOL SPEC.	802.11B
POLARIZATION	VERTICAL
ELECTRICAL WAVE	λ/4 DIPOLE
CONNECTOR	IPEX 或 同級品
WIRE	φ 1.13 COAXIAL CABLE 或 同級品

MECHANICAL PROPERTIES

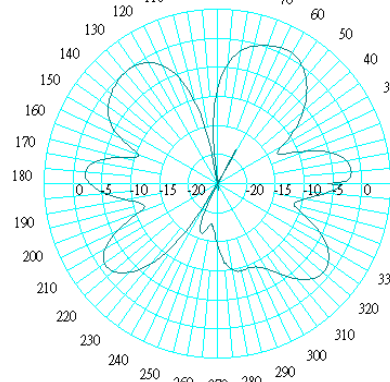
ANTENNA COVER	NONE
COLOR	NONE
OPERATION TEMPERATURE	-20 ~ +60 °C
STORAGE TEMPERATURE	-30 ~ +75 °C

天線垂直及水平場效圖

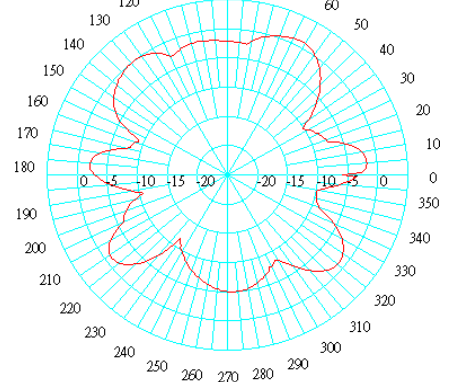
H-PLANE-2.4GHZ=-1.6dbi



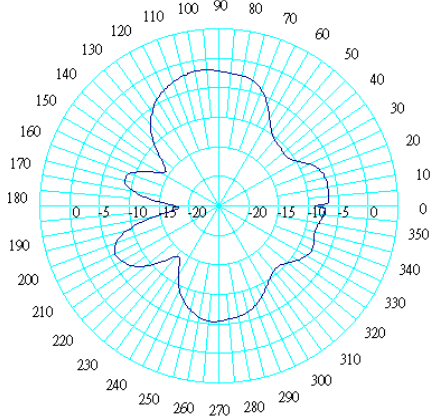
E-PLANE-2.4GHZ=+0.9dbi



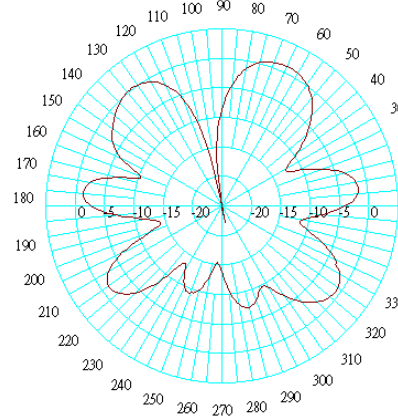
H+E



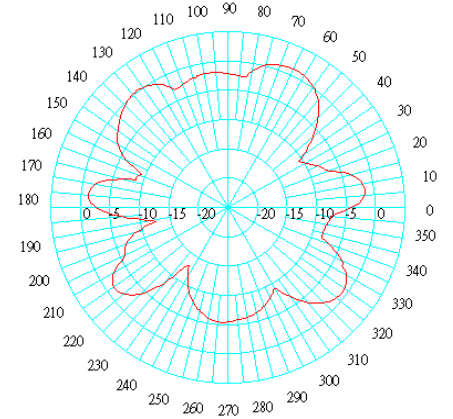
H-PLANE-2.45GHZ=-1.7dbi



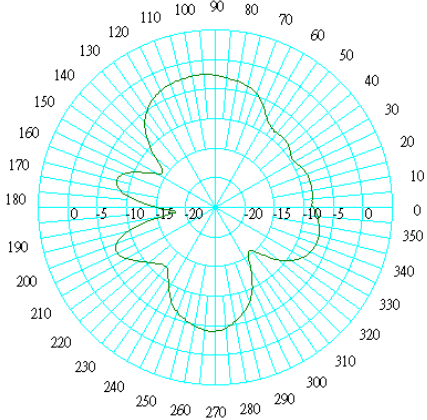
E-PLANE-2.45GHZ=+1.0dbi



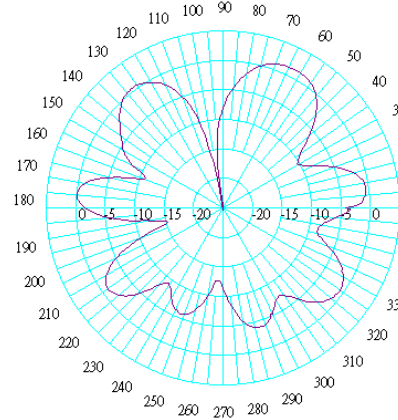
H+E



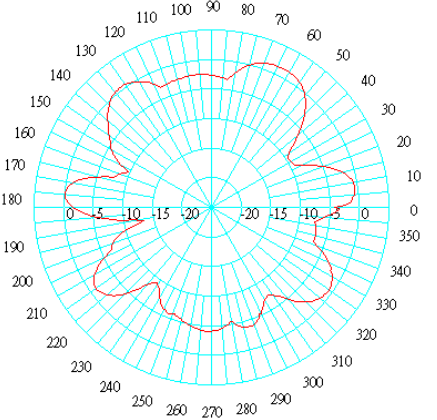
H-PLANE-2.5GHZ=-2.4dbi



E-PLANE-2.5GHZ=+1.3dbi

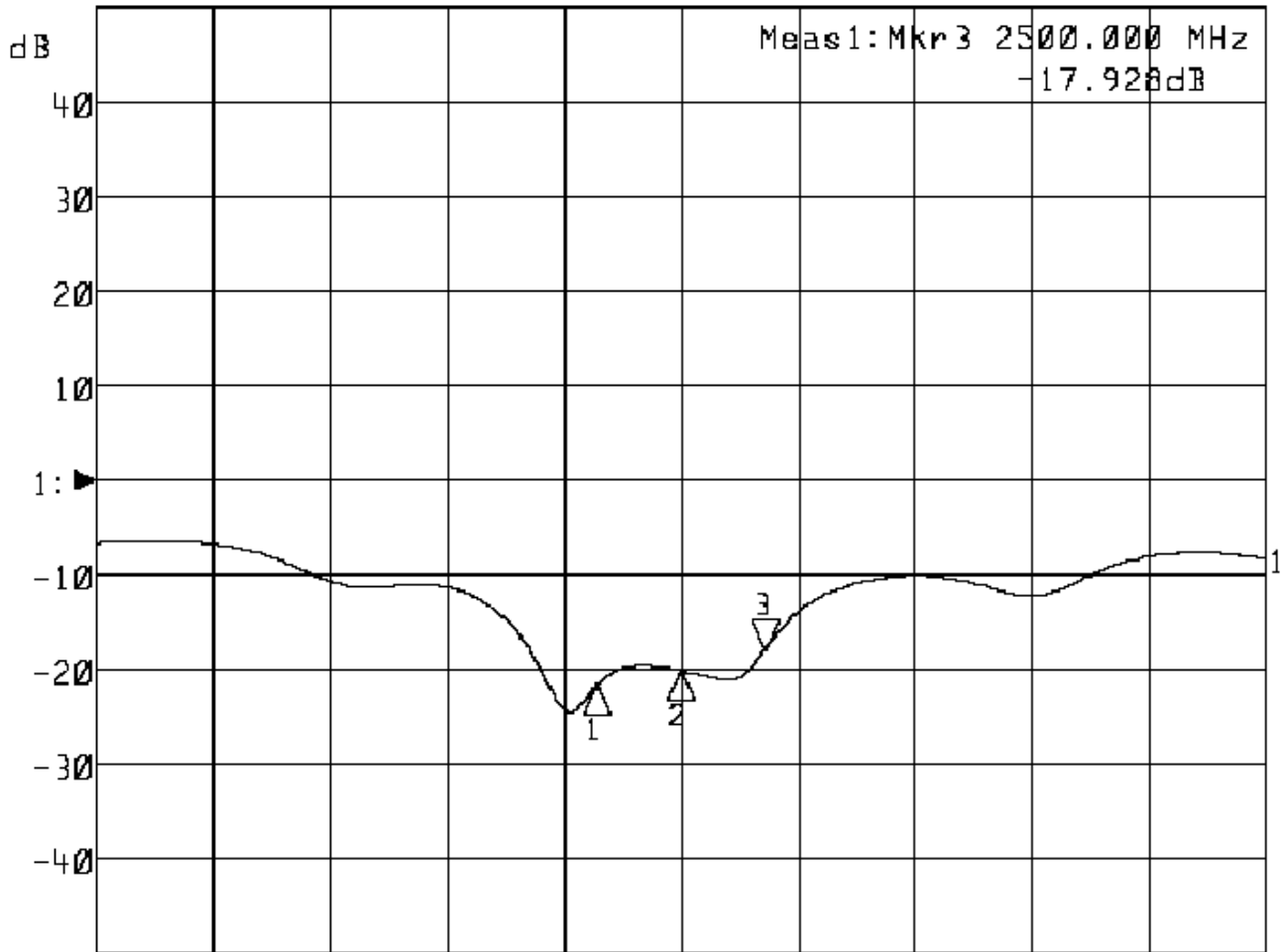


H+E



RETURN LOSS (廻損)

▶1:Reflection /M Log Mag 10.0 dB/ Ref 0.00 dB
 ▶2:Off

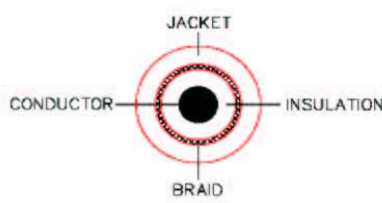


Start 2 100.000 MHz

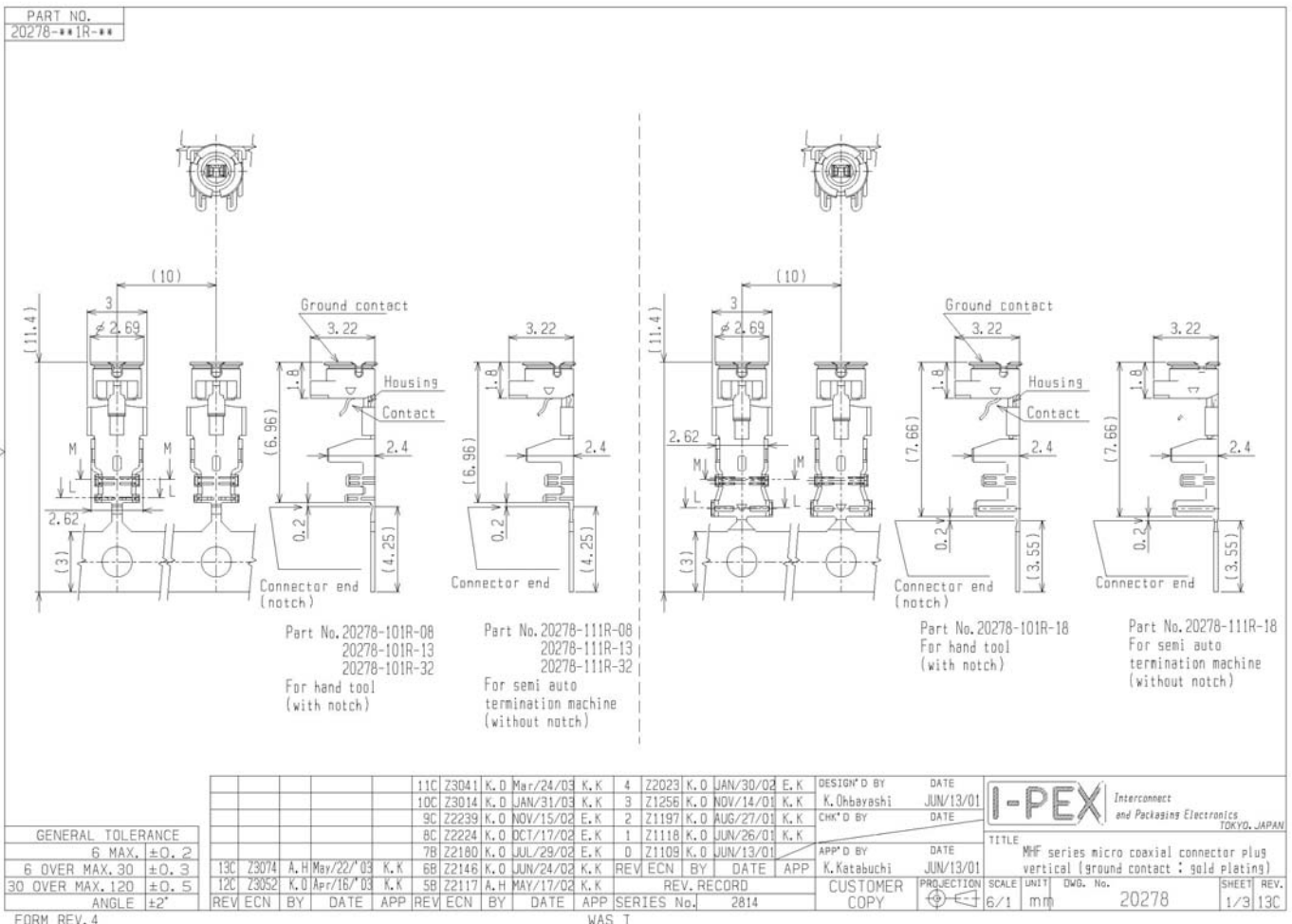
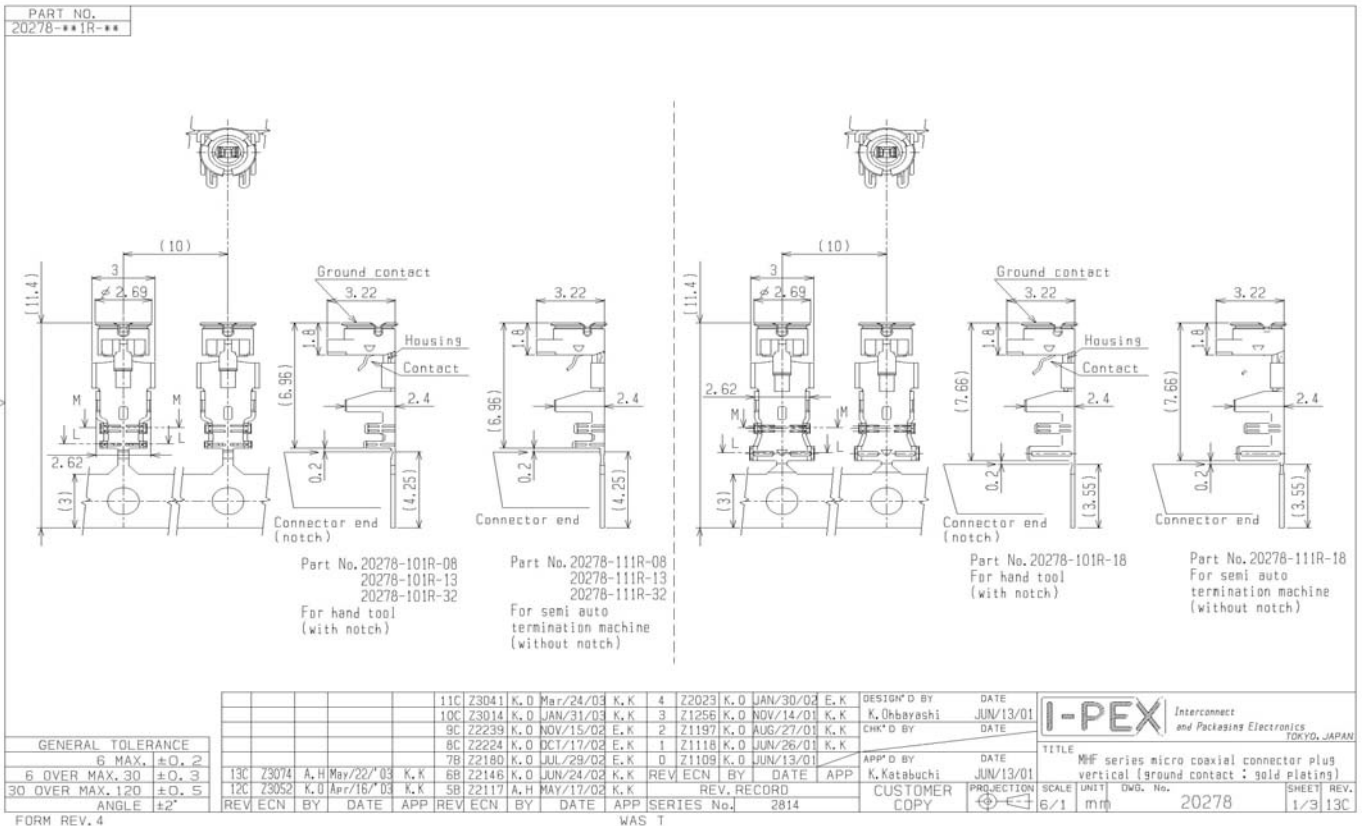
Stop 2 600.000 MHz

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

ISSUE	QTY	ECN NO.	REVISED DESCRIPTION	DATE	APPROVED																																										
D																																															
1	<p>UL 1354 80°C 30V COAXIAL CABLE</p> <p>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.</p>																																														
2	<p>NOTE:</p> <p>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.</p>																																														
3	<table border="1" style="width:100%; border-collapse: collapse;"> <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	<p>3.VENDOR: GOLDEN BRIDGE ELECTECH OR EQUIVALENT.</p>																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">DRAWN</td> <td></td> <td rowspan="4" style="text-align: center; vertical-align: middle;"> GOLDEN BRIDGE ELECTECH INC. </td> <td style="width:20%;">SYMBOL</td> <td style="width:10%;">QTY</td> <td style="width:40%;">DESCRIPTION</td> </tr> <tr> <td>ENGINEER</td> <td></td> <td><input checked="" type="checkbox"/></td> <td>0</td> <td>CRITICAL DIMENSION</td> </tr> <tr> <td>CHECKED</td> <td></td> <td><input type="checkbox"/></td> <td>0</td> <td>MAJOR DIMENSION</td> </tr> <tr> <td>APPROVED</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			DRAWN		GOLDEN BRIDGE ELECTECH INC.	SYMBOL	QTY	DESCRIPTION	ENGINEER		<input checked="" type="checkbox"/>	0	CRITICAL DIMENSION	CHECKED		<input type="checkbox"/>	0	MAJOR DIMENSION	APPROVED					<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:40%;">DRAWING NO.</td> <td colspan="2">CW30039G042G(SAMPLE)</td> </tr> <tr> <td>REVISION</td> <td colspan="2"></td> </tr> <tr> <td>UNIT</td> <td colspan="2">mm</td> </tr> <tr> <td>SCALE</td> <td colspan="2">NONE</td> </tr> <tr> <td>PAGE NO.</td> <td colspan="2">1 OF 2</td> </tr> <tr> <td>DATE</td> <td colspan="2">2003.08.21</td> </tr> <tr> <td>FILES:</td> <td colspan="2">R:\SAMPLE\C\CW30039G042G1.DWG</td> </tr> </table>			DRAWING NO.	CW30039G042G(SAMPLE)		REVISION			UNIT	mm		SCALE	NONE		PAGE NO.	1 OF 2		DATE	2003.08.21		FILES:	R:\SAMPLE\C\CW30039G042G1.DWG	
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<p>GENERAL TOLERANCE: >0.5~3= ±0.1 >30~120= ±0.3 >3~6= ±0.1 >120~315= ±0.5 >6~30= ±0.2 ANGLER= ±1°</p>			<p>TITLE: MINI COAXIAL(SPO3-B0337-1) DESC: 32AWGx1C SPEC: FEP,GRAY φ1.13mm, L=...</p>																																												

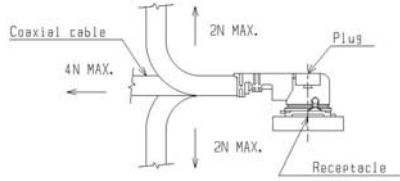
IPEX 接頭特性資料



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

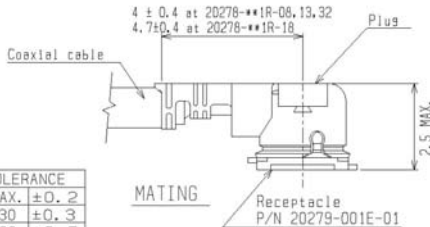
1. 材料
 (1) ハウジング:PBT, UL94V-0, 黒色
 (2) コンタクト
 収縮
 金メッキ0.1 μ m MIN.
 下地 ニッケル1.27 μ m MIN.
 (3) グランドコンタクト
 収縮
 金メッキ0.05 μ m MIN.
 下地 ニッケル1.27 μ m MIN.
 2. 梱包 : リール
 3. かん合相手 part No.
 : 20279-001E-01
 4. コネクタかん合後のケーブルに対する荷重



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.



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

FORM REV. 4

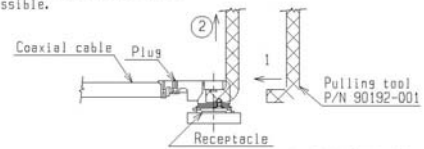
5. コネクタかん合時および抜去時の注意

5-1 コネクタ挿入時

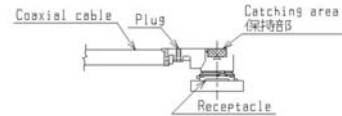
PlugとReceptacleのかん合軸を合わせ、できるだけ垂直に挿入して下さい。極端な斜め挿入は行わないで下さい。コネクタ破損の原因となりますので、過度なこじり挿入は行わないで下さい。

5-2 Unmating.

- (1) In case of unmating by pulling tool.
 Please use the pulling tool as the following drawings, 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) 抜きシブを用いる場合
 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
 下図の保持箇所をつかみ、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)

5-3 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 Caution about Heat shrinkage tubes

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

5-4 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。

DESIGN'D BY	DATE	I-PEX Interconnect and Packaging Electronics TOKYO, JAPAN
CHK'D BY	DATE	
APP'D BY	DATE	TITLE
REV. RECORD	APP	MHF series micro coaxial connector plug vertical (ground contact : gold plating)
SERIES No. 2814	CUSTOMER COPY	SCALE UNIT DWG. No. 20278 SHEET REV. 3/3 13C

WAS T