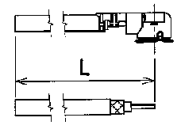
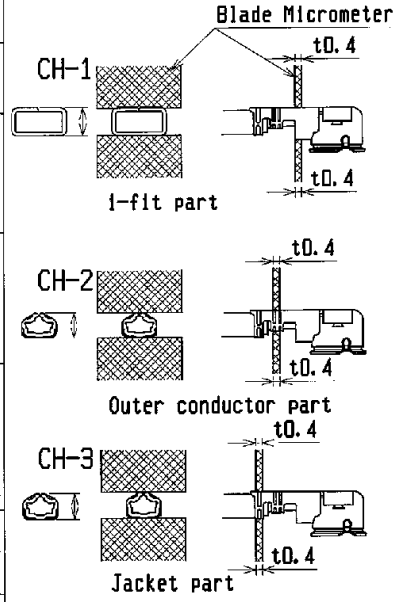
Part No.	20278-101R-08 / 20278-111R-08	20278-101R-13 / 20278-111R-13	20278-101R-32 / 20278-111R-32	20278-101R-18 / 20278-111R-18
Housing color	White	Black	Black	White
Applicable cable nominal dimension	2.09±0.1 / 1.25±0.1 / 1.16±0.1 / φ0.81 Nominal / (φ0.65) / φ0.4 Nominal / AWG26(7/0.16) / ※ NOTE-1	2.09±0.1 / 1.25±0.1 / 1.16±0.1 / φ1.13 Nominal / (φ0.93) / φ0.68 Nominal / AWG32(7/0.08) / ※ NOTE-1	2.09±0.1 / 1.25±0.1 / 1.16±0.1 / φ1.32 Nominal / (φ1.12) / φ0.66 Nominal / AWG32(7/0.08) / ※ NOTE-1	2.09±0.1 / 1.25±0.1 / RG178 B/U / 1.16±0.1 / φ1.8 Nominal / (φ1.35) / φ0.84 Nominal / AWG30(7/0.102) / ※ NOTE-1
Braided shield of Outer conductor 外部導体の編組	Single / 1重編組	Single / 1重編組	Double / 2重編組	Single / 1重編組
P/N of hand Tool / P/N of semi auto termination machine	90187-008C / 90213-008C	90187-013C / 90213-013C	90187-032C / 90213-032C	90233-018 / 90232-018
Sect. M-M	1.68 / 1.12	2.24 / 1.48	2.29 / 1.56	2.71 / 1.9
Sect. L-L	1.72 / 1.19	2.28 / 1.55	2.37 / 1.71	3.1 / 2.26
Crimp Height CH-1	1.34~1.40	1.34~1.40	1.34~1.40	1.34~1.40
Crimp Height CH-2	0.76~0.84	1.06~1.14	1.20~1.30	1.41~1.49
Crimp Height CH-3	0.85~0.97	1.15~1.35	1.26~1.46	1.70~1.80

Cable cut length



Crimp Height



NOTE-1
中心導体，外部導体への半田ｺｰﾃｨﾝｸﾞ は不可
Must not use solder coated
inner conductor and outer conductor.

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

REV	ECN	BY	DATE	APP
REV. RECORD				
SERIES No.	2814			

DESIGN'D BY DATE
CHK'D BY DATE
APP'D BY DATE
CUSTOMER COPY
PROJECTION

I-PEX Interconnect and Packaging Electronics TOKYO, JAPAN

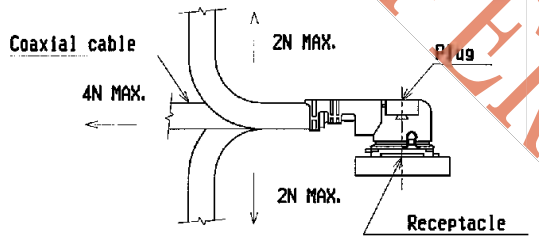
TITLE: MHF series micro coaxial connector plug vertical (ground contact : gold plating)

SCALE	UNIT	DWG. No.	SHEET	REV.
-/-	mm	20278	3/4	17C

FORM REV. 4 WAS T

Notes

1. Material
 (1) Housing : PBT , UL94V-0
 (2) Contact
  phosphor bronze
  gold plating 0.1μm MIN.
  over nickel 1.27μm MIN.
 (3) Ground contact
  phosphor bronze
  gold plating 0.05μm MIN.
  over nickel 1.27μm MIN.
2. Packing : reel
3. Mating partner part No.
 : 20279-001E-01
4. Permissible load of cable at mating



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.

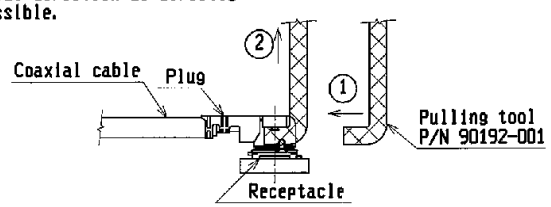
1. 材 料
(1) ハウジング：PBT, UL94V-0
(2) コンタクト
りん青銅
金メッキ0.1μm MIN.
下地 ニッケル1.27μm MIN.
(3) グランドコンタクト
りん青銅
金メッキ0.05μm MIN.
下地 ニッケル1.27μm MIN.
2. 梱包 : リール
3. かん合相手 Part No.
20279-001E-01
4. コネクタかん合後のケーブルに対する荷重

5. コネクタかん合時および抜去時の注意

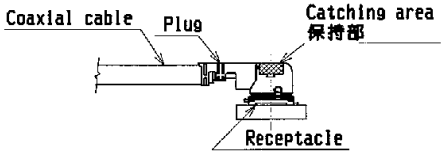
5-1 コネクタ挿入時
PlugとReceptacleのかん合軸を合わせ、できるだけ垂直に挿入して下さい。
極端な斜め挿入は行わないで下さい。
コネクタ破損の原因となりますので、過度なこじり挿抜は行わないで下さい。

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.



5-3 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.

6. This is 'Pb-free' connector.

5-2 コネクタ抜去時

(1) 抜去ジグを用いる場合
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 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はみ出した量）

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。

6. 本コネクタは' Pb-free' である

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

REV	ECN	BY	DATE	APP

DESIGN'D BY DATE
CHK'D BY DATE
APP'D BY DATE

I-PEX Interconnect and Packaging Electronics TOKYO, JAPAN

TITLE: MHF series micro coaxial connector plug vertical (ground contact : gold plating)

REV. RECORD		CUSTOMER COPY	PROJECTION	SCALE	UNIT	DWG. No.	SHEET	REV.
SERIES No.	2014			-/-	mm	20278	4/4	17C

FORM REV-4

WAS T

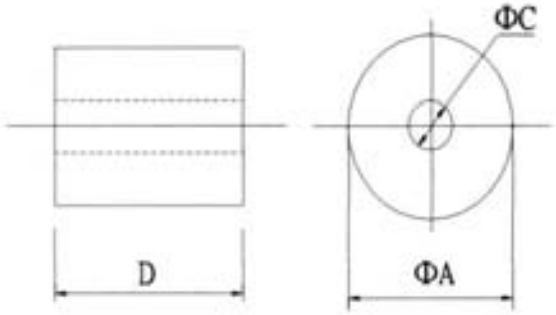
Material Data Sheet

EMI Sleeve Core

SPECIFICATION FOR APPROVAL

CUSTOMER:萬旭電業股份有限公司	CUS'S P/N: DATE: 2003/10/9
ITEM: K5A RH 4X2X10	REF NO:10-13-040020100-0

(1)DIMENSION(Unit:mm)



A	4.00	±	0.20	mm
		±		mm
C	2.00	±	0.15	mm
D	10.00	±	0.40	mm
		±		mm
		±		mm
		±		mm
		±		mm
		±		mm
		±		mm

(2)ELECTRICAL REQUIREMENTS:

REMARK:

			TEST FREQ	
			TEST FREQ	
Z	35	— 0 Ω	TEST FREQ	25 MHz
Z	60	— 0 Ω	TEST FREQ	100 MHz
			TEST FREQ	
COIL DATA	Qo= Lo=	PF	TEST FREQ	
Winding	0.65 Φ X 63 mm	T.C.W	1 TS	

(3)TEST INSTRUMENTS

1. IMPEDANCE ANALYZER: HP4191A

DRAWN	CHECKED	APPROVED	ISSUE NO.
DATE 劉美琴	DATE 范志豪	DATE	WC-RH-039

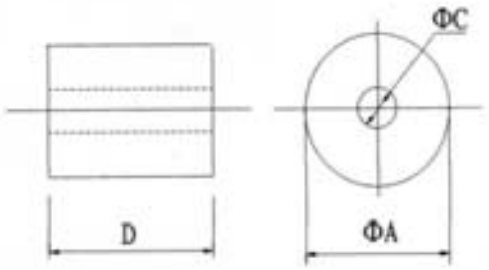
佳 真 股 份 有 限 公 司
CORE-TECH CORPORATION

TEL:03-4861211
FAX:03-4861210

INSPECTION DATA

ISSUE NO:WC-RH-039

CUSTOMER	萬旭電業股份有限公司		DATE	2003/10/9	Quantity 0 pcs
PART NO.	10-13-040020100-0				
ITEM	K5A RH 4X2X10				
COIL SPEC	0.65 Φ X 63 mm T.C.W 1 TS				
COIL DATA	QO=	CO=	(PF)		
TEST FREQ	FO=	Hz Ft=	25.100 MHz		
TEMPERATURE	28 ℃	Humidity	87 %		



	ELECTRIC CHAREC.				DIMENSION(Unit:mm)								
	L	Q	Z(25)	Z(100)	A	B	C	D	E	F	G	H	I
SP			35.00	60.00	4.00		2.00	10.00					
+					0.20		0.15	0.40					
-			0	0	0.20		0.15	0.40					
1			45.00	82.00	3.96		2.02	9.95					
2			47.00	84.00	3.93		2.03	9.98					
3			46.00	82.00	3.92		2.09	9.96					
4			47.00	82.00	3.91		2.03	9.98					
5			45.00	81.00	3.95		2.08	9.96					
6			46.00	80.00	3.93		2.05	10.00					
7			46.00	81.00	3.93		2.03	10.02					
8			46.00	81.00	3.93		2.07	9.95					
9			46.00	80.00	3.92		2.09	9.93					
10			45.00	82.00	3.96		2.05	9.97					
X			45.90	81.50	3.94		2.05	9.97					
R			2.00	4.00	0.05		0.07	0.09					

TEST INSTRUMENTS
1. IMPEDANCE ANALYZER: HP4191A

INSP No:

Inspected	Checked	Approved
佳鳳 劉美琴	范志榮	

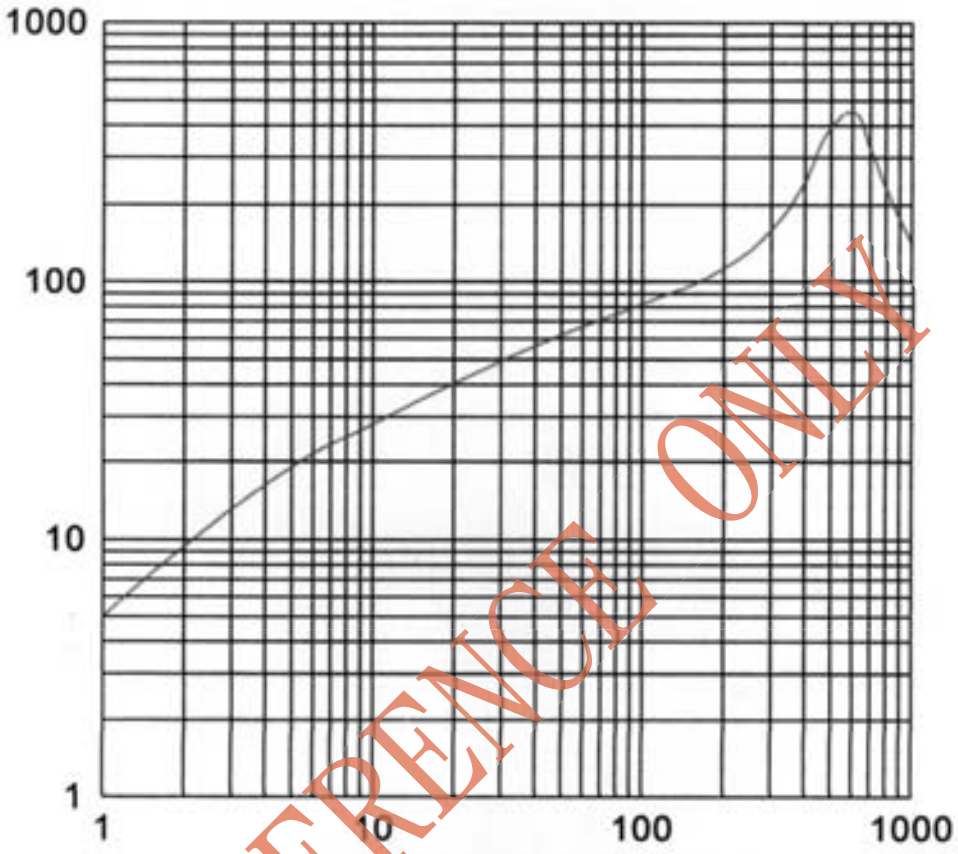
REMARK:

CORE-TECH CORPORATION
TEL:03-4861211
FAX:03-4861210

Z-F RESPONSE

K5A RH 4X2X10

1. TEST INSTRUMENT:HP4191A
2. WINDING:0.65ΦX63 mm T.C.W 1TS



	1	5	10	25	50	100	200	300	400	500	600	700	800	900	1000
Z—	5	19	28	45	62	82	113	160	244	392	452	322	229	176	141

(DATA BETWEEN 500MHz AND 1000MHz ARE FOR REFERENCE ONLY)

CORE-TECH CORPORATION
http://www.coretechweb.com.tw
E-mail:coretech@tptsl.seed.net.tw
TEL:03-4861211 FAX:03-4861210

零組件承認/申請報告書

編號　E24682　2007/8/27

Alpha P/N ： 5059600796l0G	申請者 ：	主管 ：
零組件品名 ： ANT CABLE Mini 1.13 L=80mm		
原製造廠商 ： 電		原廠編號 ： THW0796A
代理商： 電		
聯絡人：		電話 ： 02-22988066
應用機種 ：		
COMMENTS：		

結果

號

Panton No:

主管：　■ 承辦者：　日期：　/ /　：：

結果	合格	審核	/ /　：：

承　　認　　書
SPECIFICATION FOR APPROVAL

客　　戶 CUSTOMER	明泰科技股份有限公司
日　　期 DATE	2006 / 08 / 09
品　　名 DESCRIPTION	Mini 1.13 Cable Assembly (L=80)(K5A) With RP-SMA Bulkhead Jack & MHF
客 戶 料 號 CUSTOMER P/N	505960079610G
成 品 編 號 Part NO.	THW0796A (符合環保材)

萬旭電業股份有限公司
WANSHIH ELECTRONIC CO., LTD.
台北縣五股鄉五工六路 72 號 3 樓
3F 72 WU KONG 6TH RD., WU KU INDUSTRIAL DISTRICT
TAIPEI HSIEN, TAIWAN, R.O.C.
TEL：(02) 22988066 (5 LINE)　FAX：(02)22981102

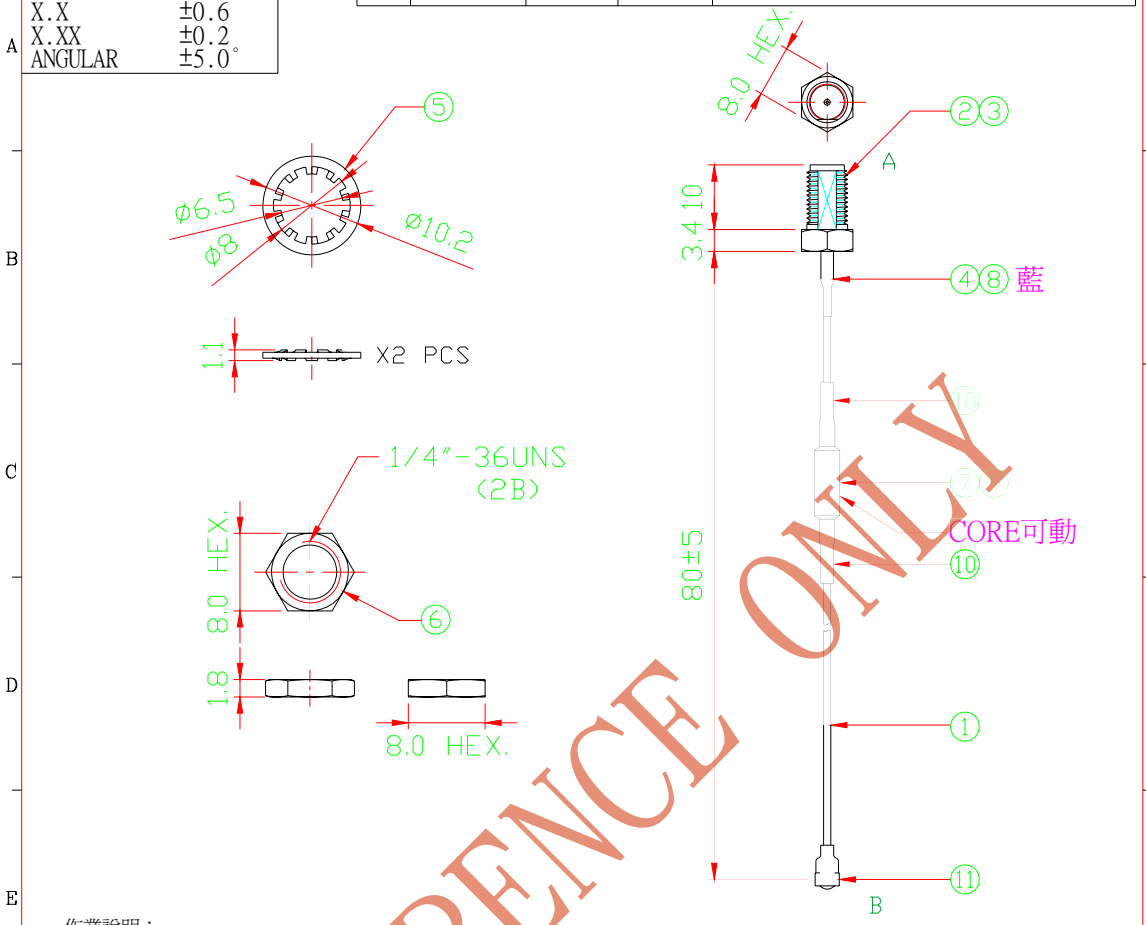
Table of Contents

SPECIFICATION

1.	Description	：Mini 1.13 Cable Assembly with RP-SMA Bulkhead Jack & MHF
2.	Customer	：明泰科技股份有限公司
3.	Part No.	：THW0796A
4.	Coaxial Length	：80 mm (see Drawing)
5.	Electrical Characteristics	
	Operating Frequency	：1~6 GHz
	Impedance	：50 Ohm nominal
	Attenuation.	：-2.0dB Max.
6.	Mechanical Characteristics	
	Connector	：RP-SMA Bulkhead Jack
		：MHF
7.	Raw Material	
	Coaxial Cable	：Mini 1.13
	Core	：K5A RH4*10*2

TOLERANCES:	
X	±1.0
X.X	±0.6
X.XX	±0.2
ANGULAR	±5.0°

版次	修訂日期	ECR NO.	作 成	設 計 變 更 內 容 簡 述



作業說明：

1. Cable Assembly組立，依照WSW0063A Cable Assembly 組立作業指導書規定製作。
   依據AQ-0063A QC管理工程圖，執行品質管制。
2. 依WSW0010A 1.13 ϕ Mini Coaxial Cable With MHF作業標準指導書規定。
   依據 AQ-0010A QC管理工程圖 ,執行品質管制。
3. 鐵粉芯組立組立，依照WSW0009 EMI Sleeve Core 組立作業指導書規定製作。

包裝方式：

1. 成品每100pcs包一袋,內附螺帽1包(100pcs/包)及止滑華司2包(100pcs/包)。

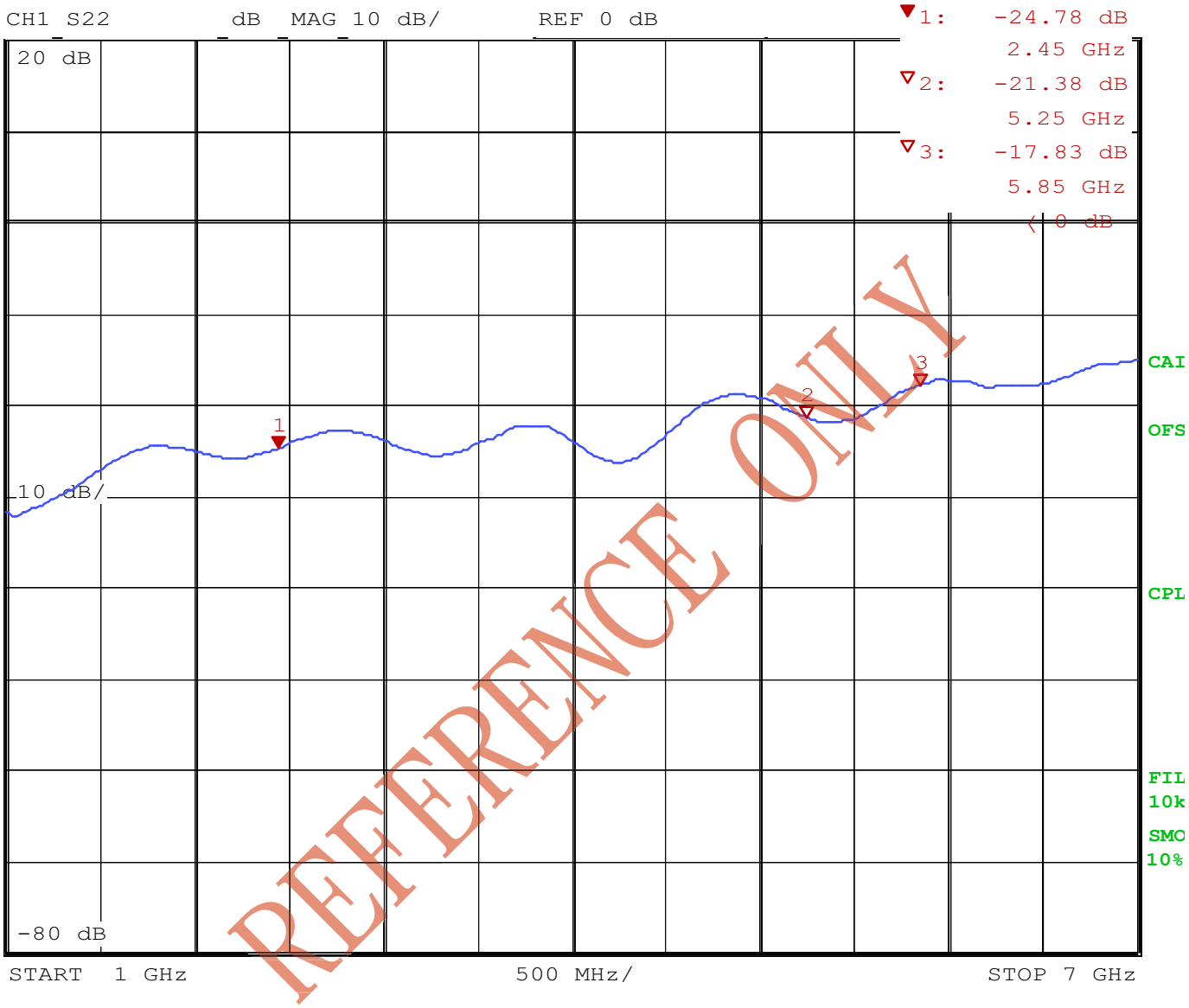
NO	材料名稱	環材	電腦編號	零件規格	顏色	切斷尺寸	用量	備註
11	MHF Connector	ν	272027811R13JP	@20278-111R-13 (I-PEX)	金		1	或同級品
10	熱縮套管	ν	53A402501000BC	@F34 2.5 黑 L=10mm	黑		2	或同級品
9	熱縮套管	ν	53A404002000BC	@F34 4.0 黑 L=20mm	黑		1	或同級品
8	熱縮套管	ν	530102501060BC	@F32 2.5 藍 L=10mm	藍		1	或同級品
7	EMI Sleeve Core	ν	3040020100A0CG	@ K5A RH4*2*10	黑		1	或同級品
6	螺帽	ν	B02892200502A5	@028922005 Nut Bulkhead Reverse SMA	金		1	或同級品
5	止滑華司	ν	B02892200501A5	@028922005 Washer Bulkhead Reverse SMA	金		2	或同級品
4	SMA Bulkhead 連接軸	ν	B0270B000000A5	@0270B SMA Bulkhead For 1.13 連接軸	金		1	或同級品
3	絕緣 公PIN	ν	B0376AB00000A5	@0376A-B 絕緣 公PIN 白	白		1	或同級品
2	RP SMA Bulkhead Jack 本體	ν	B0376A000000A5	@0376A RP-SMA Bulkhead Jack-10L For 1.13 金	金		1	或同級品
1	MINI 1.13 Coaxial Cable	ν	B1MINI113A80AE	@MINI OD:1.13灰 GY-193 鍍錫編織(萬泰)	淺灰	85	1	或同級品

修訂日期：	制訂日期：2007/08/09			承認圖號	505960079610G		
頁數：1／1	核 准	審 查	作 成	品 名	Mini 1.13 Cable Assembly with MHF (L=80)(K5A)		
第三角法	Ryan	郭慧純	易姿岑	成品編號	THW0796	REV A	VERSION 1
單位：mm							
比例：FREE							

萬旭電業股份有限公司　50文件編號：FMT-0513-D7

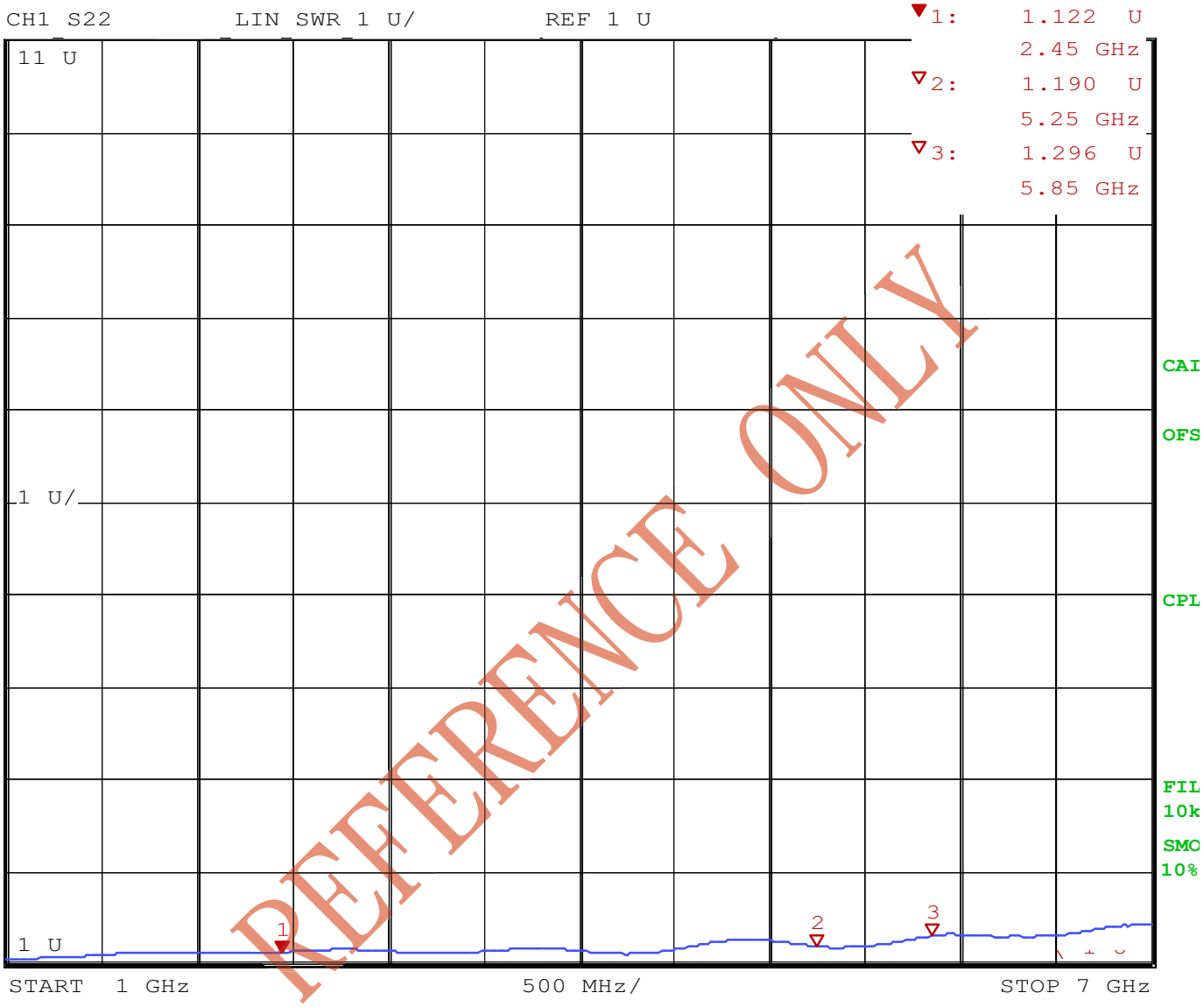
Electrical Characteristic

Return Loss



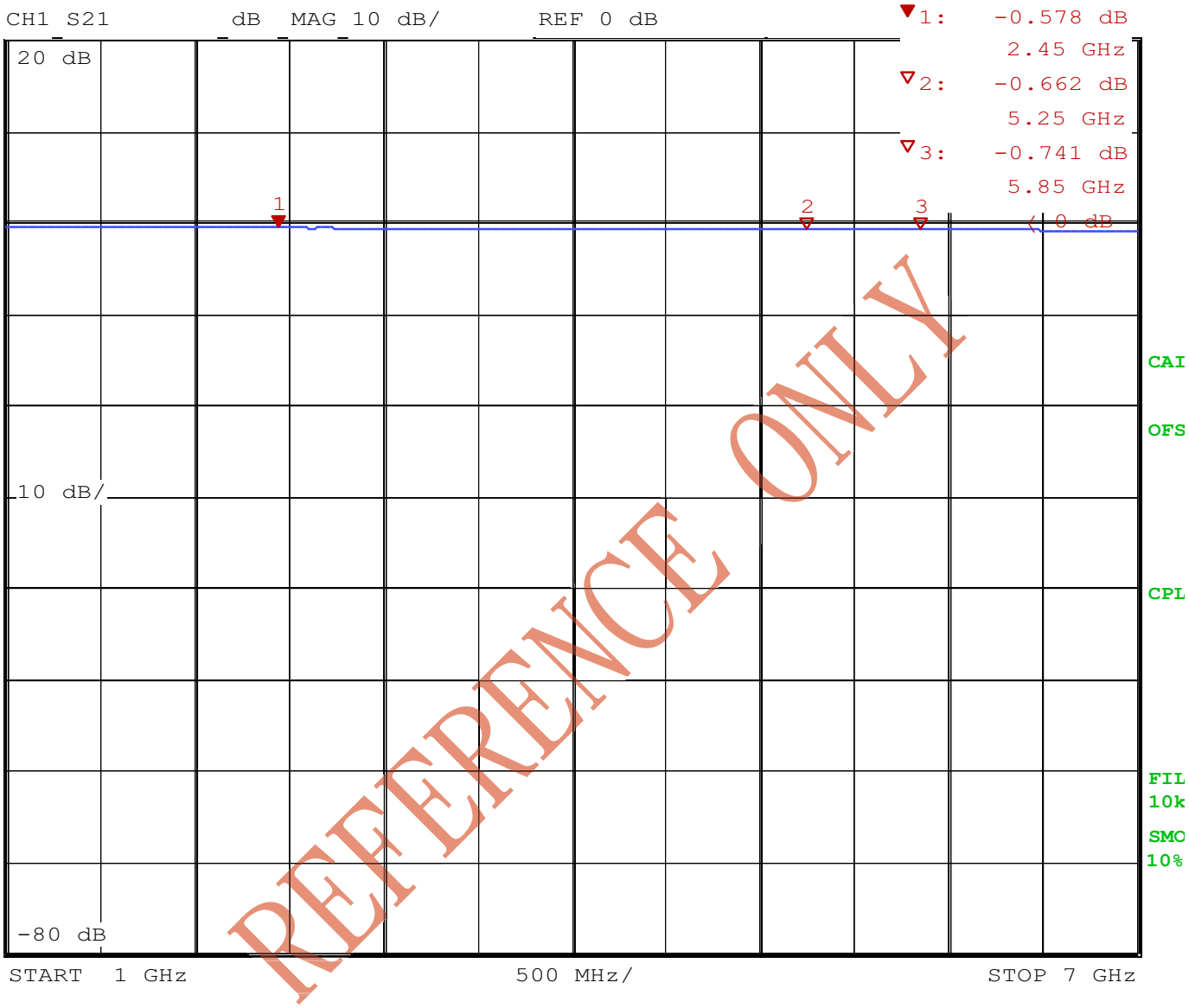
Electrical Characteristic

V.S.W.R



Electrical Characteristic

Attenuation



Material Data Sheet

Mini-1.13 Coaxial Cable

SPECIFICATION FOR APPROVAL

DOCUMENT:	A3132TS001
STYLE :	COAXIAL CABLE 105℃ 30V
SIZE:	32AWG×1C BRAID : TS
RECOGNIZED:	UL 1979

WONDERFUL HI-TECH CO.,LTD.

OFFICE : 72WU KONG 6TH ROAD,
WU KU IND. DISTRICT
TAIPEI HSIEN,TAIWAN

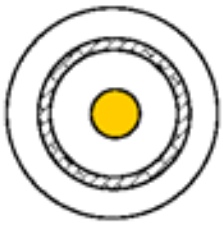
TEL : (02)22988033
FAX : (02)22988031-2

FACTORY : 17 PEI YUAN ROAD,
CHUNG-LI IND. PARK
TAIWAN, R.O.C.

TEL : (03)4527777
FAX : (03)4517214

WONDERFUL HI-TECH CO., LTD.
SPECIFICATION

STYLE	105℃ 30V UL 1979	DOCUMENT NO : A3132TS001
SIZE	32AWG	ESTABLISHED DATE: 2005/05/11
STANDARD :		

Conductor	Size	AWG	32
	Material	----	Silver Cover Copper
	Conductors No.	----	7
	Conductors Size	mm	0.080
	O.D.	mm	0.240
Insulation	Average Thickness	mm	0.22
	Diameter	mm	0.68 ± 0.02
	Material	---	FEP
	Color	----	Clear
Braid	Material	----	Tinned Copper
	Construction	mm	16 / 4 / 0.050
	Coverage	%	90
Jacket	Average Thickness	mm	0.13
	Diameter	mm	1.13 ± 0.05
	Material	----	FEP
	Color	----	According to custom
Marking	Non		
Drawing			

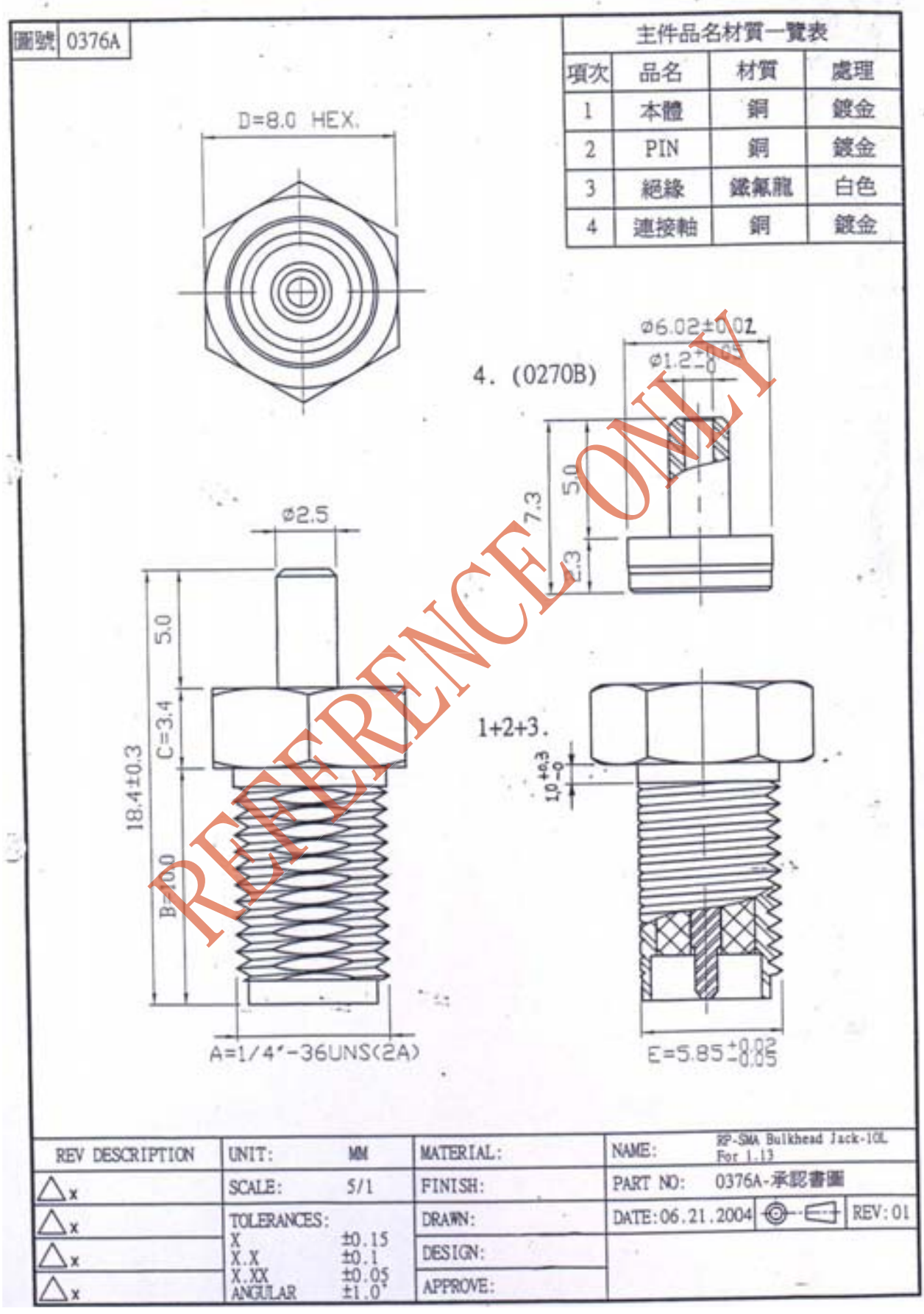
AK001/210X297/1.0 PAGE : 1
EDITION : 1.1
MAKER : C.Y.CHEN CONFIRM :S.N.WONG APPROVAL : W.J.WANG

WONDERFUL HI-TECH CO., LTD.
SPECIFICATION

Electrical & Physical Properties							
Item			32AWG				
Rating Temp Voltage			105℃ 30V				
Conductor Resistance			545 OHM/KM/20℃ MAX.				
Insulation Resistance			1000 MEGA OHM/KM MIN.				
Dielectric Strength			AC 500 V/Minute				
Spark Test			2.5 KV				
Insulation	Unaged	Tensile Strength	2500 PSI MIN.(1.76 Kg / mm²)				
		Elongation	200% MIN.				
	Aged	Tensile Strength	UNAGED MIN. 75%(168HRS×232℃)				
		Elongation	UNAGED MIN. 75%(168HRS×232℃)				
Jacket	Unaged	Tensile Strength	2500 PSI MIN.(1.76 Kg / mm²)				
		Elongation	200% MIN.				
	Aged	Tensile Strength	UNAGED MIN.75%(168HRS×232℃)				
		Elongation	UNAGED MIN.75%(168HRS×232℃)				
Nom. Impedance			50 ± 3 Ohms				
Nom. Capacitance			96 ± 3 pF/m				
Nom. Vel. of Prop.			69%				
VSWR Test (0 – 6 GHZ)			Less 1.3				
Flame Test			VW-1 OK				
Attenuation (dB/1m)	2.0GHZ		2.4GHZ	2.5GHZ	5.0GHZ	6.0 GHZ	
	2.80		3.10	3.15	4.85	5.20	

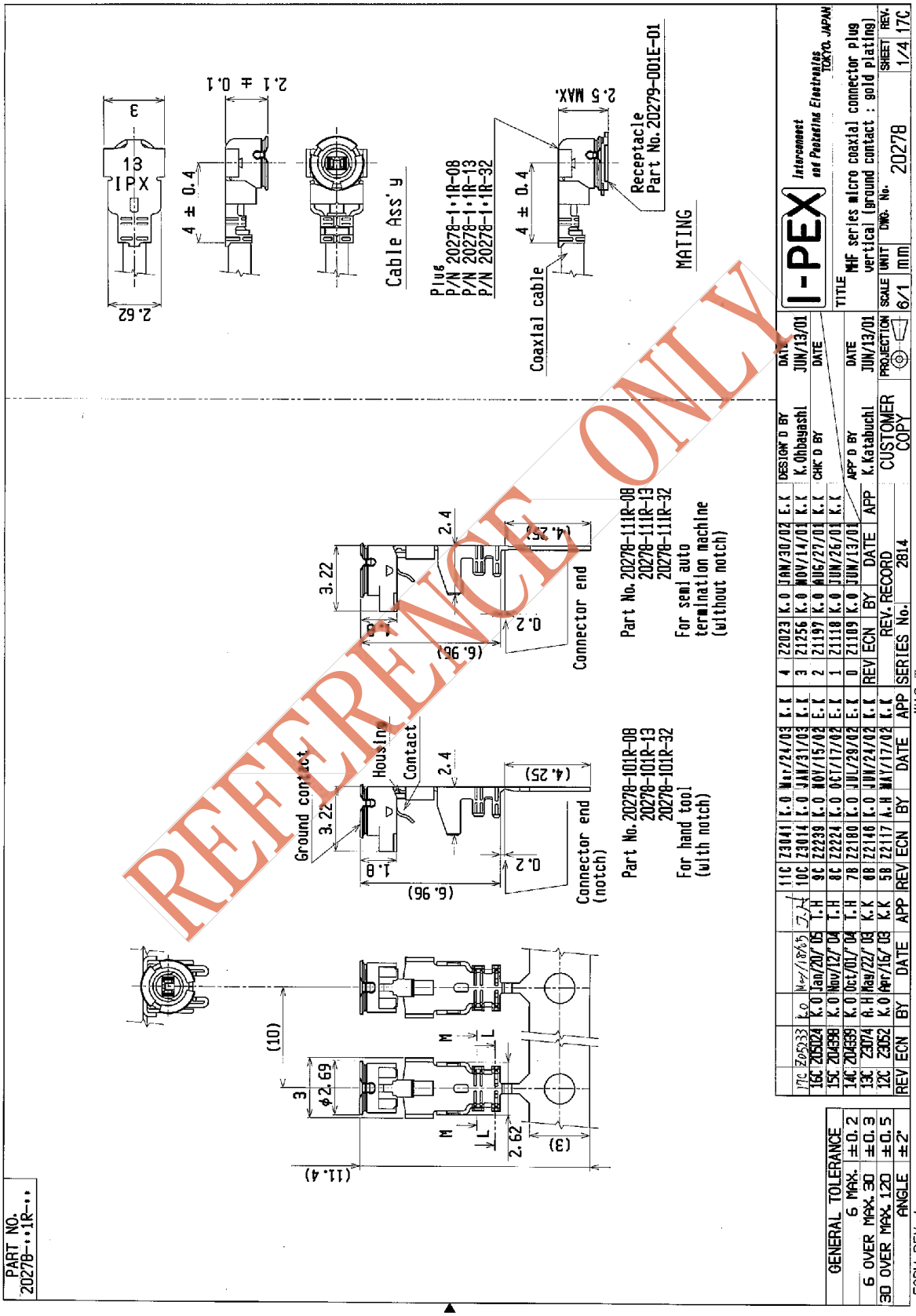
Material Data Sheet

RP-SMA Bulkhead Jack



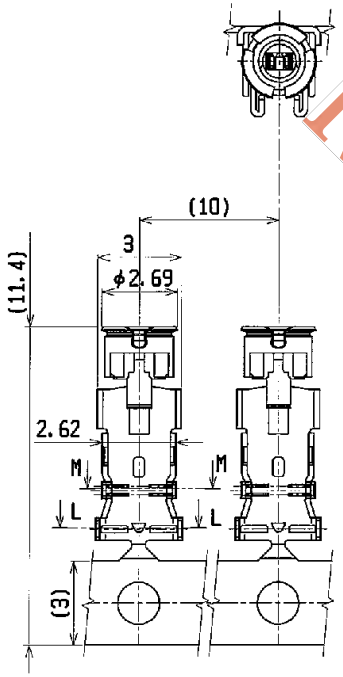
Material Data Sheet

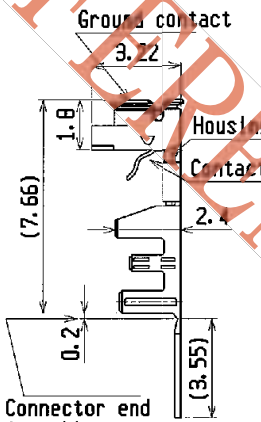
MHF Connector



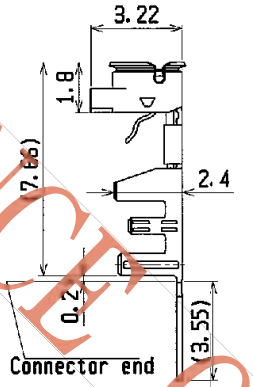
7-5059600796106(E24682) B

PART NO.
20278-**1R-**

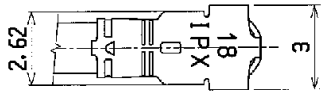


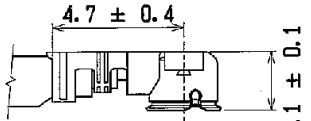


Part No. 20278-101R-18
For hand tool
(with notch)



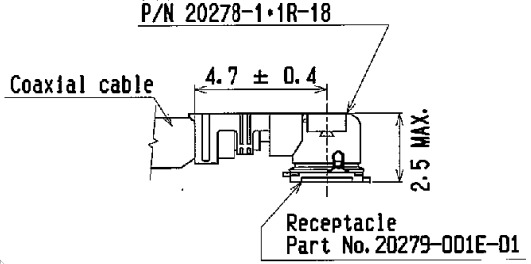
Part No. 20278-111R-18
For semi auto
termination machine
(without notch)





Cable Ass'y

Plug
P/N 20278-1*1R-18



MATING

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

REV	ECN	BY	DATE	APP
REV. RECORD				
SERIES No.	2814			

DESIGN'D BY DATE
CHK'D BY DATE
APP'D BY DATE
CUSTOMER COPY
PROJECTION

I-PEX Interconnect and Packaging Electronics TOKYO JAPAN

TITLE: MHF series micro coaxial connector plug vertical (ground contact : gold plating)

SCALE	UNIT	DWG. No.	SHEET	REV.
6/1	mm	20278	2/4	17C

FORM REV. 4

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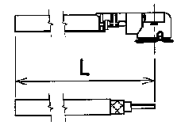
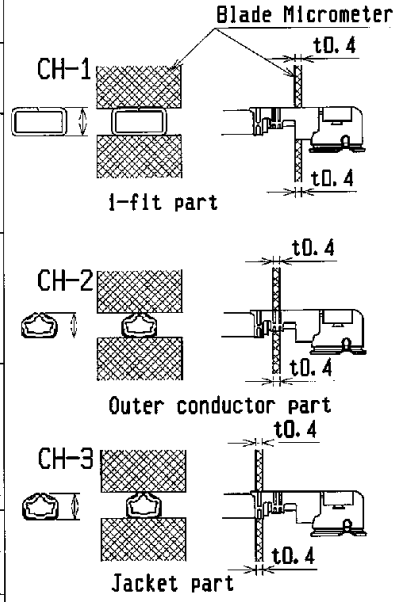
7-5059600796 10C(E24682) B

Part No.	20278-101R-08 / 20278-111R-08	20278-101R-13 / 20278-111R-13	20278-101R-32 / 20278-111R-32	20278-101R-18 / 20278-111R-18
Housing color	White	Black	Black	White
Applicable cable nominal dimension	2.09±0.1 / 1.25±0.1 / 1.16±0.1 / φ0.81 Nominal / (φ0.65) / φ0.4 Nominal / AWG26(7/0.16) / ※ NOTE-1	2.09±0.1 / 1.25±0.1 / 1.16±0.1 / φ1.13 Nominal / (φ0.93) / φ0.68 Nominal / AWG32(7/0.08) / ※ NOTE-1	2.09±0.1 / 1.25±0.1 / 1.16±0.1 / φ1.32 Nominal / (φ1.12) / φ0.66 Nominal / AWG32(7/0.08) / ※ NOTE-1	2.09±0.1 / 1.25±0.1 / RG178 B/U / 1.16±0.1 / φ1.8 Nominal / (φ1.35) / φ0.84 Nominal / AWG30(7/0.102) / ※ NOTE-1
Braided shield of Outer conductor 外部導体の編組	Single / 1重編組	Single / 1重編組	Double / 2重編組	Single / 1重編組
P/N of hand Tool / P/N of semi auto termination machine	90187-008C / 90213-008C	90187-013C / 90213-013C	90187-032C / 90213-032C	90233-018 / 90232-018
Sect. M-M	1.68 / 1.12	2.24 / 1.48	2.29 / 1.56	2.71 / 1.9
Sect. L-L	1.72 / 1.19	2.28 / 1.55	2.37 / 1.71	3.1 / 2.26
Crimp Height CH-1	1.34~1.40	1.34~1.40	1.34~1.40	1.34~1.40
Crimp Height CH-2	0.76~0.84	1.06~1.14	1.20~1.30	1.41~1.49
Crimp Height CH-3	0.85~0.97	1.15~1.35	1.26~1.46	1.70~1.80

Cable cut length



Crimp Height



NOTE-1
中心導体，外部導体への半田ｺｰﾃｨﾝｸﾞ は不可
Must not use solder coated
inner conductor and outer conductor.

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

REV	ECN	BY	DATE	APP
REV. RECORD				
SERIES No.	2814			

DESIGN'D BY DATE
CHK'D BY DATE
APP'D BY DATE
CUSTOMER COPY
PROJECTION

I-PEX Interconnect and Packaging Electronics TOKYO, JAPAN

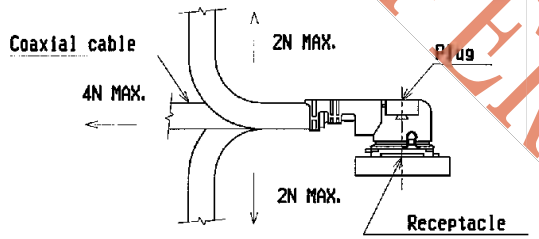
TITLE: MHF series micro coaxial connector plug vertical (ground contact : gold plating)

SCALE	UNIT	DWG. No.	SHEET	REV.
-/-	mm	20278	3/4	17C

FORM REV. 4 WAS T

Notes

1. Material
 (1) Housing : PBT , UL94V-0
 (2) Contact
  phosphor bronze
  gold plating 0.1μm MIN.
  over nickel 1.27μm MIN.
 (3) Ground contact
  phosphor bronze
  gold plating 0.05μm MIN.
  over nickel 1.27μm MIN.
2. Packing : reel
3. Mating partner part No.
 : 20279-001E-01
4. Permissible load of cable at mating



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.

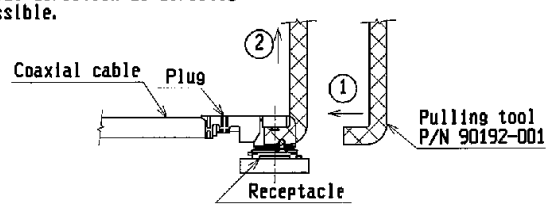
1. 材 料
(1) ハウジング：PBT, UL94V-0
(2) コンタクト
りん青銅
金メッキ0.1μm MIN.
下地 ニッケル1.27μm MIN.
(3) グランドコンタクト
りん青銅
金メッキ0.05μm MIN.
下地 ニッケル1.27μm MIN.
2. 梱包 : リール
3. かん合相手 Part No.
20279-001E-01
4. コネクタかん合後のケーブルに対する荷重

5. コネクタかん合時および抜去時の注意

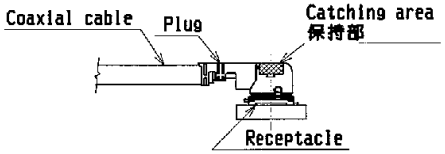
5-1 コネクタ挿入時
PlugとReceptacleのかん合軸を合わせ、できるだけ垂直に挿入して下さい。
極端な斜め挿入は行わないで下さい。
コネクタ破損の原因となりますので、過度なこじり挿抜は行わないで下さい。

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.



5-3 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.

6. This is 'Pb-free' connector.

5-2 コネクタ抜去時

(1) 抜去ジグを用いる場合
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 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はみ出した量）

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。

6. 本コネクタは' Pb-free' である

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

REV	ECN	BY	DATE	APP

DESIGN'D BY DATE
CHK'D BY DATE
APP'D BY DATE

I-PEX Interconnect and Packaging Electronics TOKYO, JAPAN

TITLE: MHF series micro coaxial connector plug vertical (ground contact : gold plating)

REV. RECORD		CUSTOMER COPY	PROJECTION	SCALE	UNIT	DWG. No.	SHEET	REV.
SERIES No.	2014			-/-	mm	20278	4/4	17C

FORM REV-4

WAS T

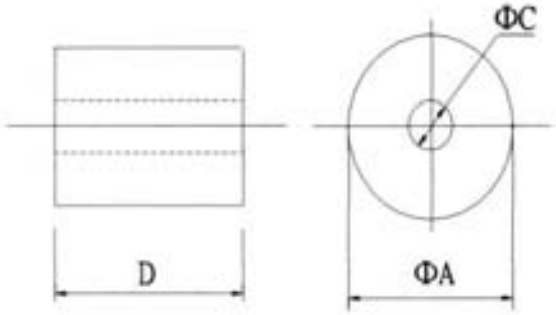
Material Data Sheet

EMI Sleeve Core

SPECIFICATION FOR APPROVAL

CUSTOMER:萬旭電業股份有限公司	CUS'S P/N: DATE: 2003/10/9
ITEM: K5A RH 4X2X10	REF NO:10-13-040020100-0

(1)DIMENSION(Unit:mm)



A	4.00	±	0.20	mm
		±		mm
C	2.00	±	0.15	mm
D	10.00	±	0.40	mm
		±		mm
		±		mm
		±		mm
		±		mm
		±		mm
		±		mm

(2)ELECTRICAL REQUIREMENTS:

REMARK:

			TEST FREQ	
			TEST FREQ	
Z	35	— 0 Ω	TEST FREQ	25 MHz
Z	60	— 0 Ω	TEST FREQ	100 MHz
			TEST FREQ	
COIL DATA	Qo= Lo=	PF	TEST FREQ	
Winding	0.65 Φ X 63 mm	T.C.W	1 TS	

(3)TEST INSTRUMENTS

1. IMPEDANCE ANALYZER: HP4191A

DRAWN	CHECKED	APPROVED	ISSUE NO.
DATE 劉美琴	DATE 范志豪	DATE	WC-RH-039

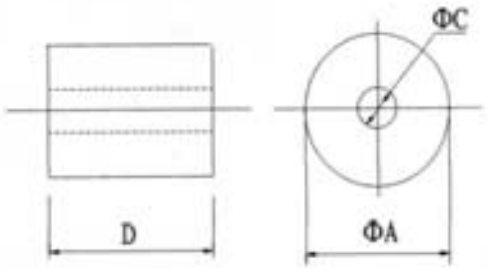
佳 真 股 份 有 限 公 司
CORE-TECH CORPORATION

TEL:03-4861211
FAX:03-4861210

INSPECTION DATA

ISSUE NO:WC-RH-039

CUSTOMER	萬旭電業股份有限公司		DATE	2003/10/9	Quantity 0 pcs
PART NO.	10-13-040020100-0				
ITEM	K5A RH 4X2X10				
COIL SPEC	0.65 Φ X 63 mm T.C.W 1 TS				
COIL DATA	QO=	CO=	(PF)		
TEST FREQ	FO=	Hz Ft=	25.100 MHz		
TEMPERATURE	28 ℃	Humidity	87 %		



	ELECTRIC CHAREC.				DIMENSION(Unit:mm)								
	L	Q	Z(25)	Z(100)	A	B	C	D	E	F	G	H	I
SP			35.00	60.00	4.00		2.00	10.00					
+					0.20		0.15	0.40					
-			0	0	0.20		0.15	0.40					
1			45.00	82.00	3.96		2.02	9.95					
2			47.00	84.00	3.93		2.03	9.98					
3			46.00	82.00	3.92		2.09	9.96					
4			47.00	82.00	3.91		2.03	9.98					
5			45.00	81.00	3.95		2.08	9.96					
6			46.00	80.00	3.93		2.05	10.00					
7			46.00	81.00	3.93		2.03	10.02					
8			46.00	81.00	3.93		2.07	9.95					
9			46.00	80.00	3.92		2.09	9.93					
10			45.00	82.00	3.96		2.05	9.97					
X			45.90	81.50	3.94		2.05	9.97					
R			2.00	4.00	0.05		0.07	0.09					

TEST INSTRUMENTS
1. IMPEDANCE ANALYZER: HP4191A

INSP No:

Inspected	Checked	Approved
佳鳳 劉美琴	范志榮	

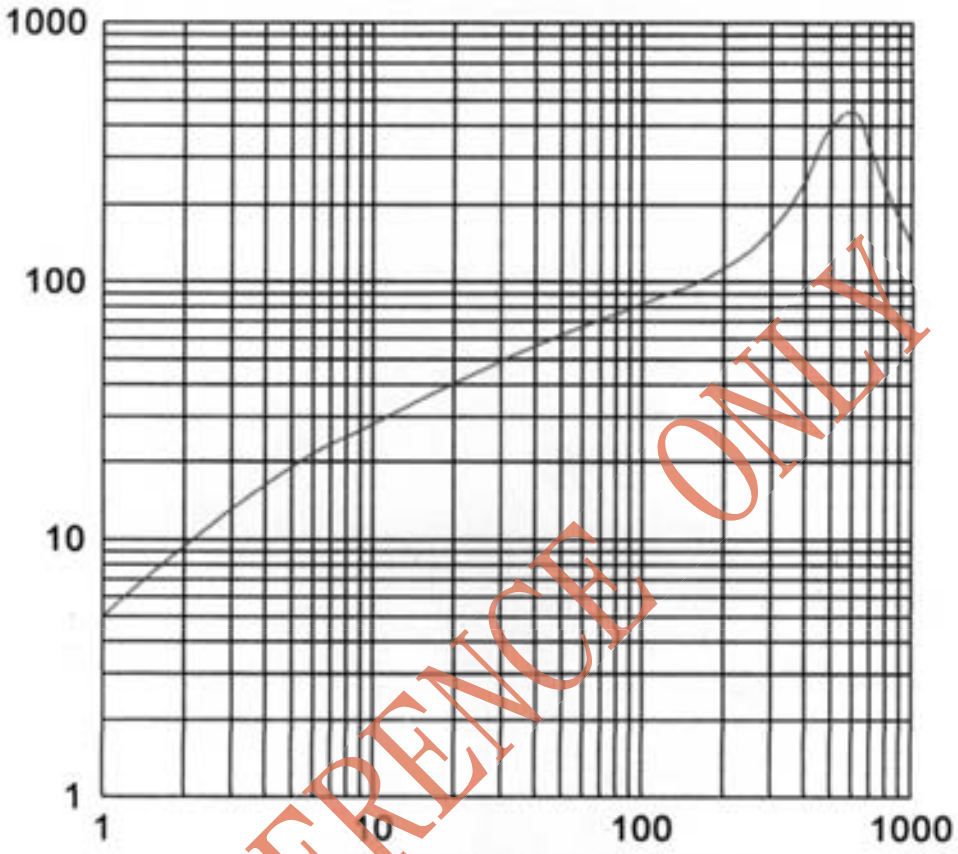
REMARK:

CORE-TECH CORPORATION
TEL:03-4861211
FAX:03-4861210

Z-F RESPONSE

K5A RH 4X2X10

1. TEST INSTRUMENT:HP4191A
2. WINDING:0.65ΦX63 mm T.C.W 1TS



	1	5	10	25	50	100	200	300	400	500	600	700	800	900	1000
Z—	5	19	28	45	62	82	113	160	244	392	452	322	229	176	141

(DATA BETWEEN 500MHz AND 1000MHz ARE FOR REFERENCE ONLY)

CORE-TECH CORPORATION
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E-mail:coretech@tptsl.seed.net.tw
TEL:03-4861211 FAX:03-4861210