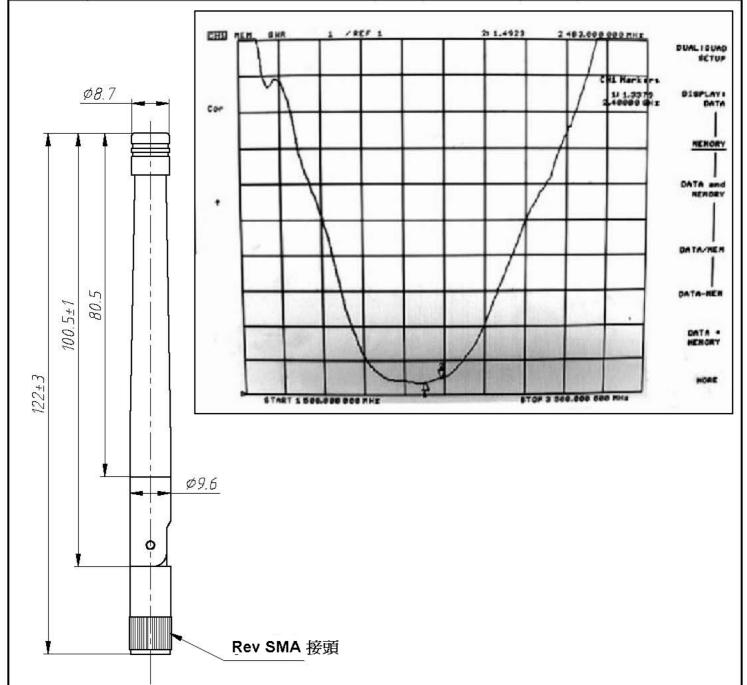


⑩ 深圳市华士捷通讯器材有限公司

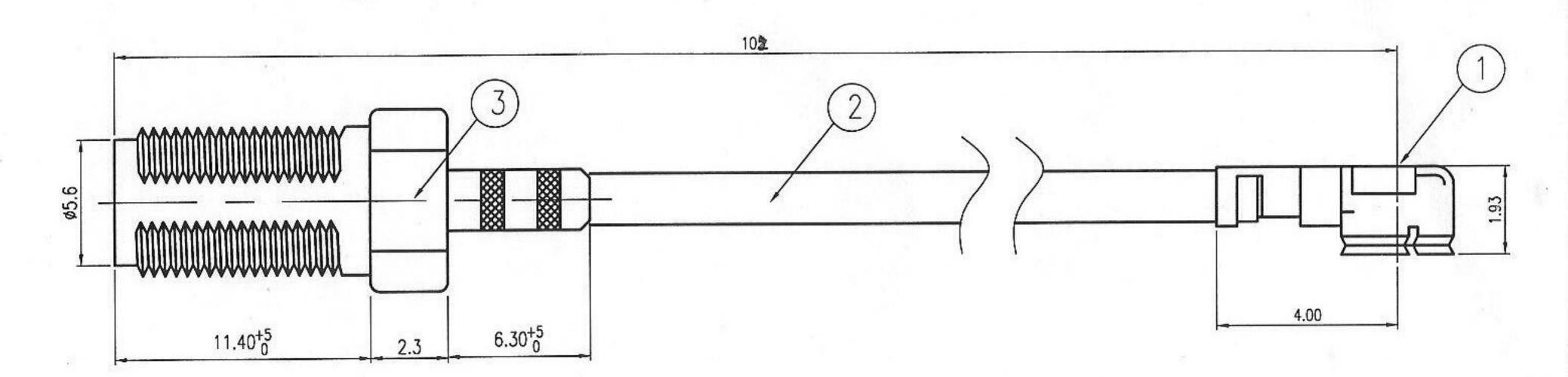
产品规格书

产品名称	2.4G-Rev SMA 接頭摺疊膠套天線	版/次	1/1	图纸编号	2008091101
产品编号		单位	mm	日期	2008年09月11日



电气参数ELECTRICAL	SPECIFICATIONS	机械特性MECHAN	NICAL SPECIFICATIONS
型号 Model Type	TLB-2400-SMA122	型号 Model Type	TLB-2400-SMA122
频率范围 Frenquency Range	2400-2483MHz	高度 Height	122±3mm
输入阻抗 Impedance	50Ω	接头 Connector	Rev SMA-J
驻波比 VSWR	≤1.5	外罩材料	聚亚安脂
增益 Gain	2.5dBi	外單颜色	黑色
极化方式 Polarization	垂直	工作温度	-20C-85C
辐射方向 Radiation	全向	存放温度	-40℃-90℃
功率容量Maximun Power Input-v	vatts 50W		

REV.	DESCRIPTION	DRAWN/DATE	CHECK/DATE	APPROVED/DATE
Α	new release	Tangen 8/20		
				9-100-0



NO.	Description	Specification	Remarks
1	RF CONN.	I-PEX MHF	Compatible with Hirose U-FL
2	CABLE	AWG #32 Ø1.13	HITACHI P/N: UL1745
3	Rev SMA CONN		Plating : AU
4	Cable lose	-0.7dB	1

X. ±0.2		DLERANCE	Chain	5/20 '02	Adorer Technology	Inc
.X ±0.1 .XX ±0.0 .XXX ±0.0	5 .X*	±2.0° ±1.0° ±0.5°	Chain	5/20 '02	TITLE	
MATL BERYLLIUM COPPER FINISH SEE NOTES			Chain	5/20 '02	RF Coble	
SCALE 10 : 1	UNIT mr	n	APPROVED	DATE	SERIES .	SIZE
SHEET 1 OF 1	-		1		DRAWING NO. RF-SD-00	REV.

No. ; SP01-23-46992Rev.1

Date ; Oct. 2, 2001

SPECIFICATION

FOR

UL RECOGNIZED FEP INSULATED HIGH FREQUENCY COAXIAL CABLE

[P/N ;UL1745 SB CX-50 1×32AWG(7/0.08)]

Your Ref. No.

Our Ref. No.

Signed by

Fumio Shimizu

Manager

Electronic Wire & Cable design department Hitaka works, Electronic Supplies Group

Hitachi Cable, Ltd.

Issue and revision record

ev. lo.	Issue date	Item	Prepared by	Reviewed by	Approved by
-	Sep. 20, 2001	Initial issue	N. Ono	H.lto	F. Shimizu
1	Oct. 2, 2001	(1)Specification No. is changed. SP01-23-46992→SP01-23-46992Rev.1 (2)Attenuation unit is revised. dB/km → dB/m	Id . Ito H. Ito	F.Shimizu	
	12				
			-	1	
	2		2		

1. Scope

This specification covers UL recognized Fluoroethylene-propylene insulated high frequency coaxial cable.

[UL1745:90°C、30V]

Use: Internal wiring of Class 2 Circuits of Electronic Equipment.

2. Construction and materials

2.1 Inner Conductor

(1) Material ; silver plated annealed copper wire

(2) AWG size ; 32 (3) Stranding ; 7/0.08mm (4) Diameter ; 0.24mm

(5) Number ; 1

2.2 Insulation

(1) Material ; Fluoroethylene-propylene(FEP)

(2) Thickness ; 0.21mm nominal

(3) Diameter ; 0.66 ± 0.05 mm (4) Color ; natural

2.3 Outer conductor

(1) Material ; Tinned annealed copper wire

(2) Form ; braid (3) Strand ; 0.05mm (4) Constraction 5×16

(5) Diameter ; 0.88mm nominal

2.4 Jacket

(1) Material ; Fluoroethylene-propylene(FEP)

(2) Thickness ; 0.125mm nominal

(3) Diameter ;1.13±0.1mm

(4) Color ; Gray

3. Properties

(1) Rating voltage ; 30V

(2) Inner Conductor resistance ; max. $597 \Omega/km$ at $20^{\circ}C$ (3) Dielectric strength* ; A.C. 500V for 1minute

(4) Insulation resistance* ; min. 1000MΩ-km at 20°C

 $\begin{array}{lll} \mbox{(5) Characteristic impedance} & ; 50 \pm 2 \, \Omega \ \mbox{by TDR} \\ \mbox{(6) Chapacitance *} & ; 95 \mbox{pF/m at 1KHz} \\ \mbox{(7) Nominal attenuation} & ; 1.9 \mbox{dB/m at 1GHz} \\ \end{array}$

; 1.9dB/m at 1GHz 2.6dB/m at 1.5GHz 3.0dB/m at 2GHz

^{*} Between inner conductor and outer conductor

4. Packing

(1) Unit length

;305m

(2) Package

;paper reel

(3) Approx. mass

;4.0kg/km

5. Marking

5.1 Marking on the wire

No marking on the wires.

5.2 Marking on the tag attached to reel

Each reel shall be tagged to show the following information with UL stamp.

- (1) UL Style
- (2) Conductor size
- (3) No. of conductor
- (4) Color
- (5) Lot No.
- (6) Length
- (7) Use

- (8) File No.
- (9) Rating temperature
- (10) Rating voltage
- (11) Date of manufacture
- (12) Insulation thickness
- (13) Name of manufacture

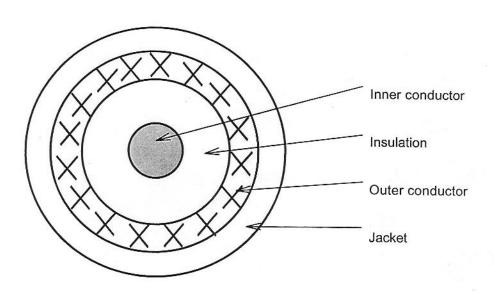
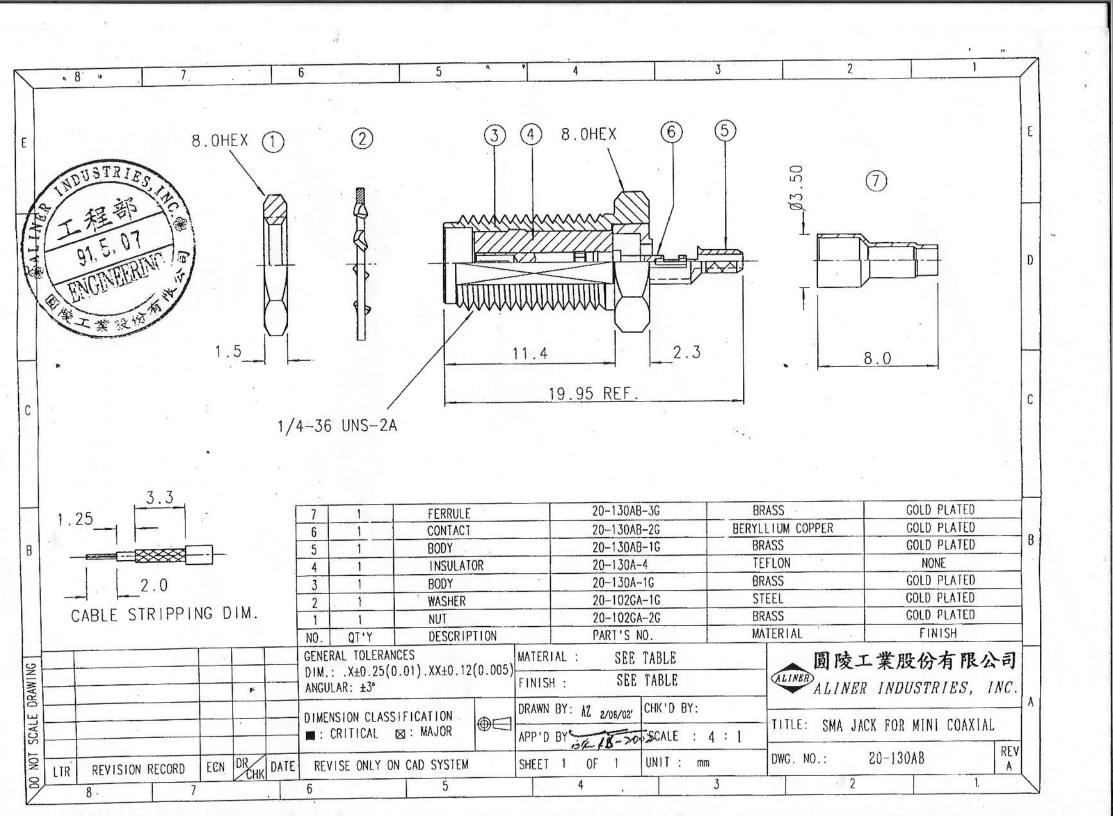
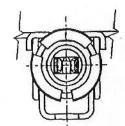
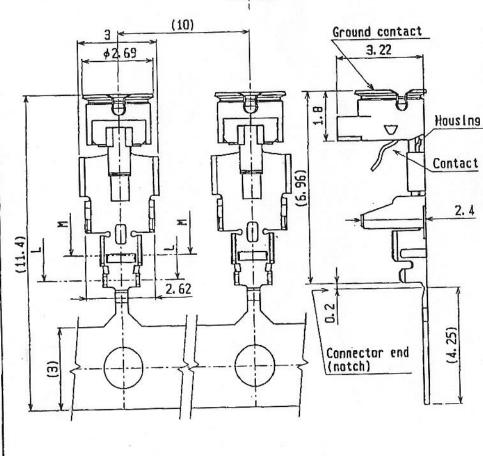


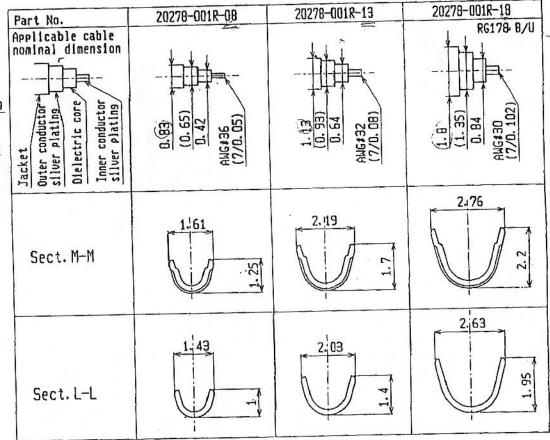
Fig.1 Cross-section of cable











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Interconnect and Postesins Electronics TOKYO, JAPAN

MHF series micro coaxial connector plug vertical LE UNIT DWG. No.

SHEET REV. 20278

ANGLE ±2 FORM REV. 4

GENERAL TOLERANCE

6 OVER MAX. 30 ±0.3 30 OVER MAX. 120 ±0.5

6 MAX. ±0.2

WAS T

Notes

1. Material (1) Housing: PBT, UL94V-O, black

(2) Contact
phosphor bronze
gold plating

(3) Ground contact
phosphor bronze, gold plating

2. Packing : reel

3. Mating partner part No. : 20279-001E-01

1。材料 (1) ハウジング: PBT, UL94V-0, 黒色

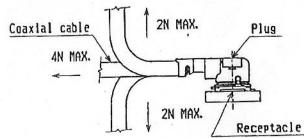
(2) コンタクト: りん青銅: 金メッキ

·(3) グランドコンタクト : りん青銅。金メッキ

2. 福包 : リール

3. 数合相手 part No. :20279-001E-01

4. Permissible load of cable at mating 可允素化的 TTT ゴネクタ散合後のケーブルに対する符重

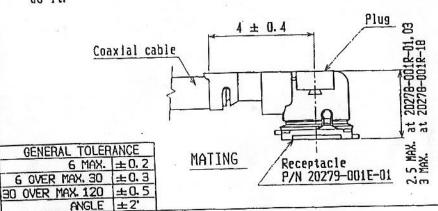


5. Suggestions for mating & unmating operation.

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. コネクタ嵌合時あよび抜去時の注意

5-1 コネクタ挿入時 PlugとReceptacleの嵌合剤を合わせ、 できるだけ垂直に挿入して下さい。 機器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。

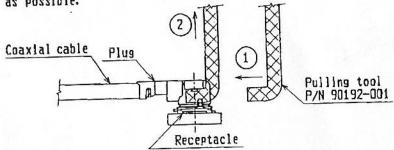


5-2 Unmating.

5-2 コネクタ抜去時

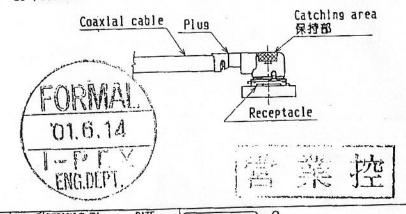
(1) In case of unmating by pulling tool. Please use the pulling tool as the following drawing, and please pull plug to vertical direction as directly as possible.

(1) 抜去シグを用いる場合 下図のようにできるだけ 垂直に引き抜いて下さい。



(2) 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.

(2) 手で直接引き抜く場合 下図の保持都をつかみ。できる だけ垂直に引き抜いて下さい。



	CHK D BY DATE	I-PEX Interconnect end Pactesine Electronies TOKYO. JAPAN	4
REV ECN BY DATE APP	APP' D BY DATE	TITLE MHF series micro coaxial connector receptacle vertical	
REV. RECORD SERIES No. 2814	CUSTOMER PROJECTION COPY	SCALE UNIT DWG. No. 20278 SHEET REV. 2/2 0]

WAS T

FORM REV. 4