

Lct

SPECIFICATION FOR APPROVAL

承認書

客 戶 承 認 印 章

客 戶 互 億 科 技 股 份 有 限 公 司

CUSTOMER

品 名

1/2 λ Dipole Antenna

SPECIES

料 號

F1B-0W3706-00

PART NO.

客 戶 料 號

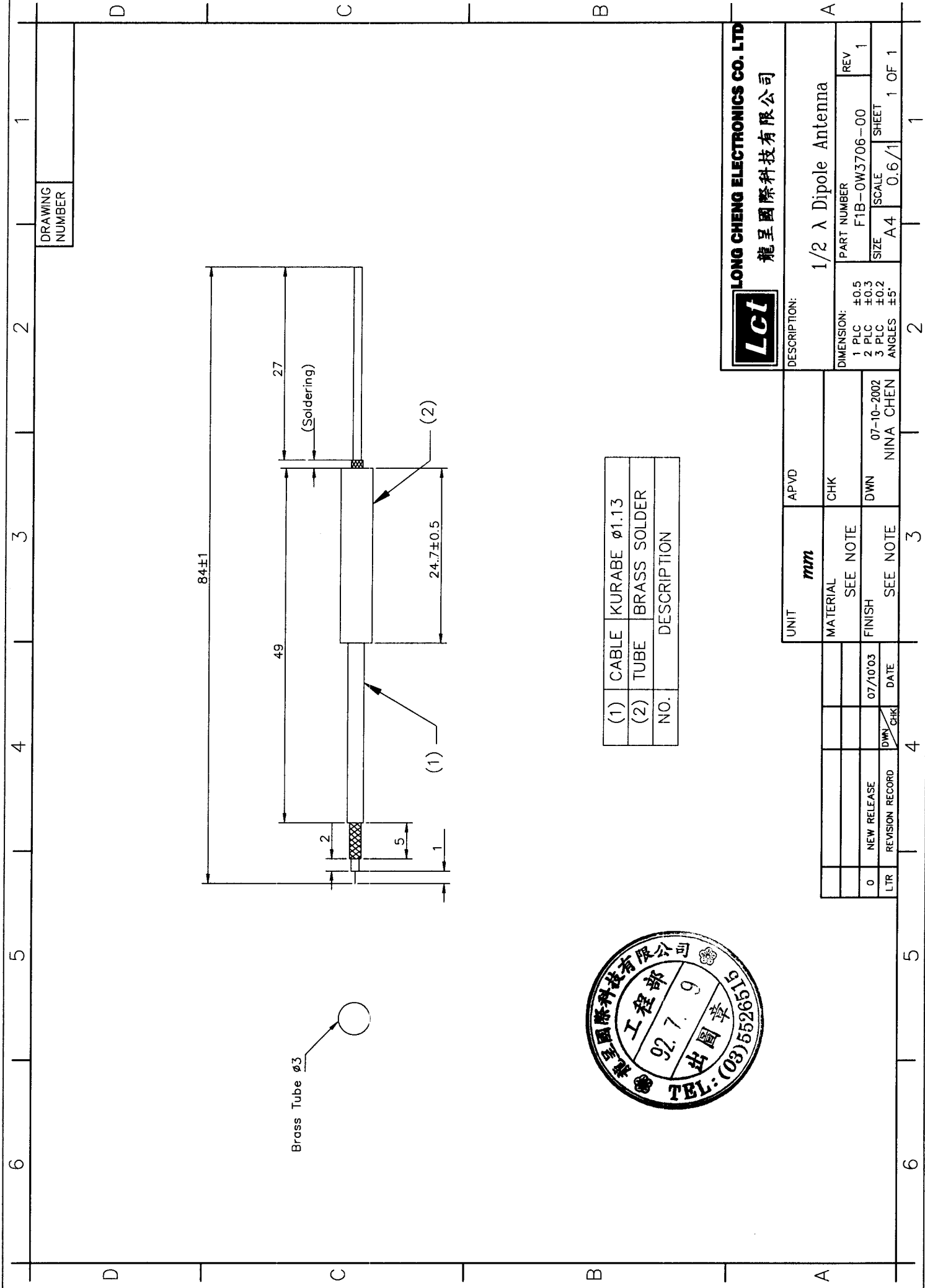
CUSTOMER PART NO.

龍呈國際科技有限公司

Long Cheng Tech. Int'l Co.,Ltd.

新竹縣竹北市中和街 62 巷 15 弄 3 號 3 樓
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Hsinchu Hsien, Taiwan R.O.C
TEL:886-3-5541117 FAX:886-3-5541065





DRAWING
NUMBER

(1)	CABLE	KURABE $\phi 1.13$
(2)	TUBE	BRASS SOLDER
NO.	DESCRIPTION	



LONG CHENG ELECTRONICS CO. LTD.
龍呈國際科技有限公司

DESCRIPTION:

1/2 λ Dipole Antenna			
PART NUMBER		REV	
F1B-OW3706-00		1	
SIZE		SCALE	
A4		0.6/1	
SHEET		1 OF 1	

UNIT	mm	APVD	CHK
MATERIAL	SEE NOTE	DWN	07-10-2002
FINISH	SEE NOTE	NINA CHEN	07-10-2002
DATE	07/10/03	DWN	CHK
REVISION RECORD	NEW RELEASE	0	LTR

DIMENSION:
1 PLC ± 0.5
2 PLC ± 0.3
3 PLC ± 0.2
ANGLES $\pm 5^\circ$

電氣特性測試

Electrical Specifications Test

輻射場形測試
(Radiation Pattern Test)

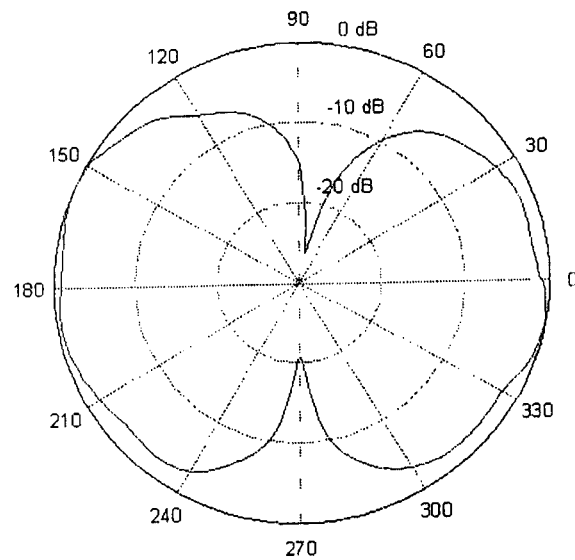
測試使用儀器
(Test Instrument)

HP Antenna far-field measure system

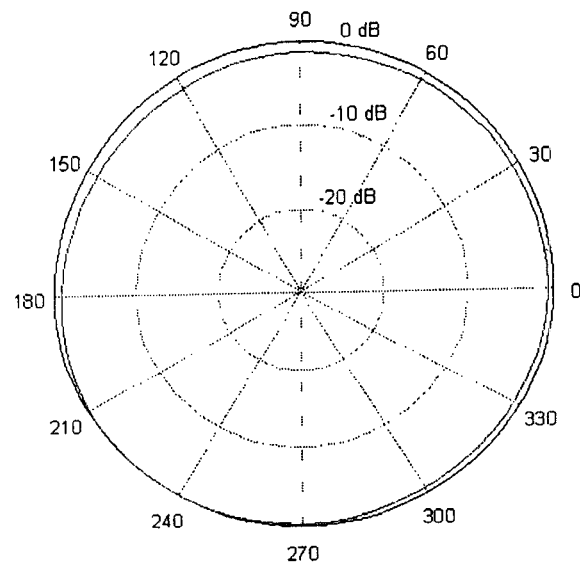
測試資料
(Test Result)

Frequency: 2.450GHz

Max. gain: 1.2 dBi



Vertical Pattern



Horizontal Pattern

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PRODUCT STANDARD		ISSUED	17-9-2001
		REVISED	

1. SCOPE

This standard covers "FEP insulated High-Frequency coaxial cable".

2. CONSTRUCTION

Construction and dimensions of the cable are shown in Figure.1 and Table 1.

3. PERFORMANCE

Performance of the finished cable is shown in Table 2. The test methods are in accordance with applicable test methods described in JIS C 3005.

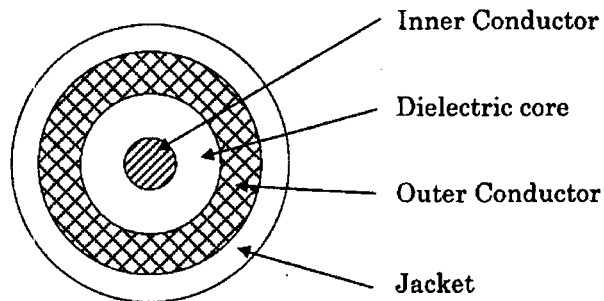


Figure 1.

NOTE :	MADE BY	<i>M. Ohba</i>
	APPROVALS	<i>T. Nagasawa</i>

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Table 1. Construction			
Item		Unit	Specified Value
Inner Conductor	Material	—	Silver coated annealed copper wire
	Stranding	No./mm	7/0.08
	Dia.(approx.)		0.24
Dielectric Core	Material	—	FEP
	Thick.(nom.)	mm	0.22
	Dia.	mm	0.68±0.05
	Color	—	Natural
Outer Conductor	Material	—	Silver coated annealed copper wire
	Type	—	Braid (16/4/0.05)
	Dia.(approx)	mm	0.93
Jacket	Material	—	FEP
	Thick.(nom.)	mm	0.10
	Dia.	mm	1.13 +0.10/-0.06
	Color	—	Standard colors are white,black,blue,brown,and gray.

Table 2. Performance			
Item	Unit	Specified Value	Note
Appearance	—	Faultless in visible	—
Inner conductor resistance	Ω/km	Max.597	at 20℃
Insulation resistance	MΩ·km	Min.1500	at 20℃
Dielectric strength	—	Dielectric core: No breakdown at AC1.5kV for 0.15sec.	Spark test
		Jacket: No breakdown at AC1.5kV for 0.15sec.	Spark test
		No breakdown at AC500V for 1min.	Outer conductor to inner conductor
Heat resistance for solder	—	Shrink or expansion of dielectric core are not more than 0.5mm	※
Capacitance	pF/m	nom. 98	at 1kHz
Characteristic impedance	Ω	50±2	TDR method
Attenuation (nom.)	dB/m	2.0	1.0GHz
		2.9	2.0GHZ
		3.6	3.0GHz
		4.2	4.0GHz
		4.7	5.0GHz
		5.2	6.0GHz

※ After immersion of dielectric core, 10mm into soldering pot which is 230℃ for 5 seconds, shrinkage or expansion of the dielectric core must not exceed 0.5mm.

NOTE :	MADE BY	M. Ohba
	APPROVALS	J. Kurokawa

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4. INSPECTION

An inspection is took place in accordance with applicable test methods. The cable has to pass the specifications described Table 1 and Table 2.

5. TEST METHOD

The test methods are in accordance with applicable test methods described in JIS C 3005 (Test methods for rubber or plastic insulated wires and cables).

6. TEMPERATURE RATING

150 °C

7. VOLATGE LATING

250 V

8. MARKING ON TAG

Each reel of finished cable is tagged to indicate following information:

- (1) Designation of the cable,
- (2) Conductor size,
- (3) Length,
- (4) Date of manufacture or LOT No.,
- (5) Specification No., and
- (6) Manufacture's name.

9. PACKAGE

The finished cables are cut into a shipping length of 200 meters, reeled to paper bobbin and packed securely to prevent injuries during transportation. Odd length of the finished wires should be accepted for shipping according to the condition of mutual agreement.

In the case no agreement is found, the condition stated in quotation shall prevail.

10. APPLICATION NOTES

10-1. For use other than the use mutually agreed, compatibility should be carefully confirmed in each practical use by user.

10-2. It is recommended to make a trial run for each practical application.

NOTE :	MADE BY	<i>M. Ohba</i>
	APPROVALS	<i>T. Kasegawa</i>

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10-3. In case a design for use of cable is changed, please contact our sales department, if necessary. Do not use under extreme mechanical stress such as hard bending, tightening, and twisting. The use under extreme mechanical stress may cause not only shortening the life span of cable but also troubles such as decline of dielectric strength.

10-4. Handling precautions

① Do not hurt the insulation and sheath of the cable by making holes and scratches. And avoid any sharp edge when wiring so as not to injure cables.

② Avoid unnecessary excessive force to cable, such as pulling, twisting, bending or tightening.

10-5. Storage precautions

Avoid continuous exposure to sunlight.


NOTE :	MADE BY	<i>M. Ohba</i>
	APPROVALS	<i>T. Kawazawa</i>

宮前五金股份有限公司

檢驗報告表

編號 : 910931

91年9月20日

客 戶		澤雷精密電子有限公司		
品 名		FREE CUTTING BRASS ROD	丸 9.5 / 15.0 / 15.5 m/m	
規 格		JIS H3250 C3604 BD		
數 據 項 目		標 準 值	實 測 值	備 註
化 學 成 份 %	Cu	57.0 - 61.0	58.08	
	Pb	1.8 - 3.7	3.28	
	Fe	< 0.5	—	
	Sn+Fe	< 1.2	0.71	
	Zn	REMAINDER	REMAINDER	
其 它				

桃園縣龜山鄉頂湖一街 24 號 TEL: (03) 3283068-70