

CTI COMPONENT APPROVAL

Supplier 廠商：慶陞

Attention items during test 測試時應注意之事項：

TEST OK

REMARK 備註: 依 IQC 進料檢驗判定規範驗貨

TO: 凱碩科技股份有限公司

SPECIFICATION FOR APPROVAL


DESCRIPTION : 2.4G ANTENNA(WHITE)-1.13(150mm)+UFL CONNECTOR

PART NO : 2AN-C101WE-019R

慶隆 PART NO : 6602113033-150

DATE : 2009/07/02

PLEASE RETURN TO US ONE COPY OF “ SPECIFICATION FOR APPROVAL ” WITH YOUR APPROVED SIGNATURES

APPROVED SIGNATURES			
			

廣州市慶隆電子塑膠五金有限公司

蘇州慶旺電子科技有限公司

慶宏電子(東莞)有限公司



慶隆工業股份有限公司

KINSUN INDUSTRIES INC.

桃園縣中壢市普忠路 211 巷 20 號

TEL : 886-3-4353551

FAX : 886-3-4353951

[Http://www.kinsun.com](http://www.kinsun.com)

e-mail: jason@kinsun.com

TECHNICAL DATA

Electrical Properties

Frequency Range: 2.4~2.5 GHz

Impedance: 50 Ohm nominal

V.S.W.R : ≤ 2.0

Gain : 2dBi \pm 0.25

Radiation: Omni

Polarization: Vertical

Electrical Wave: Dipole array

Connector: UFL CONNECTOR

Mechanical Properties

Antenna Cover: PLASTIC

Color : WHITE

Operation Temperature:-20°C~+65°C

Storage Temperature:-30°C~+75°C

RoHS COMPLIANT

MECHANICAL

Antenna Cover : TPE

Antenna Base : PC UL 94V-0

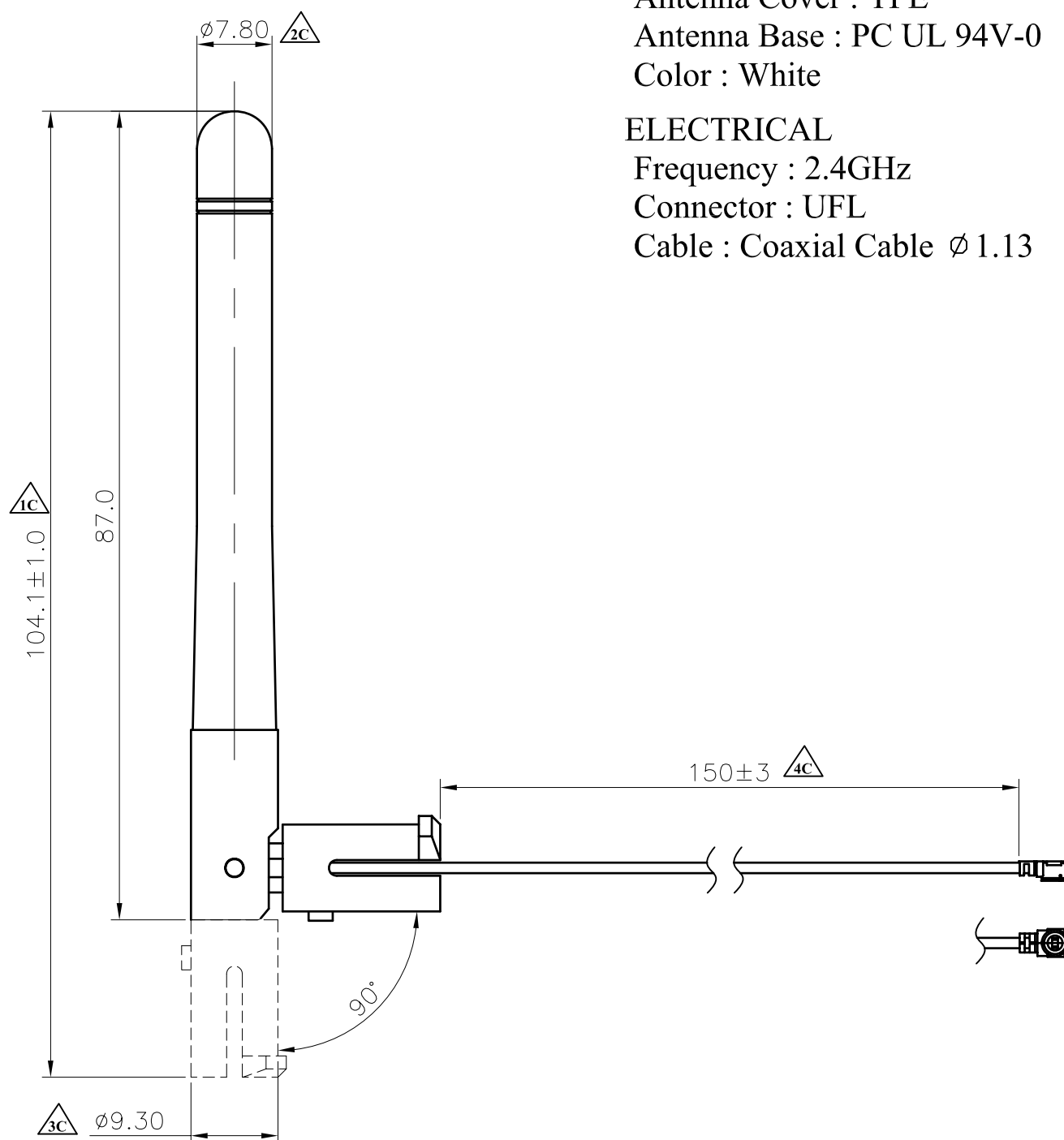
Color : White

ELECTRICAL

Frequency : 2.4GHz

Connector : UFL

Cable : Coaxial Cable ϕ 1.13



※凡標註△記號者, 為品管檢驗之尺寸

設計DR.

Marco

2009/06/11

核准APPD.

Jerry

2009/06/11

容許公差

.XXX

.XX

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X

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TOLERANCE

± 0.10

± 0.25

± 0.38

± 0.50

$\pm 3^\circ$

品名

ARTICLE 6602-2.4G-UFL

圖號

DWG NO. 6602113033-150

單位 UNIT

mm

比例 SCALE

1.5/1

張數 SHEET

1/1

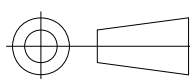
版本 REV.

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KINSUN

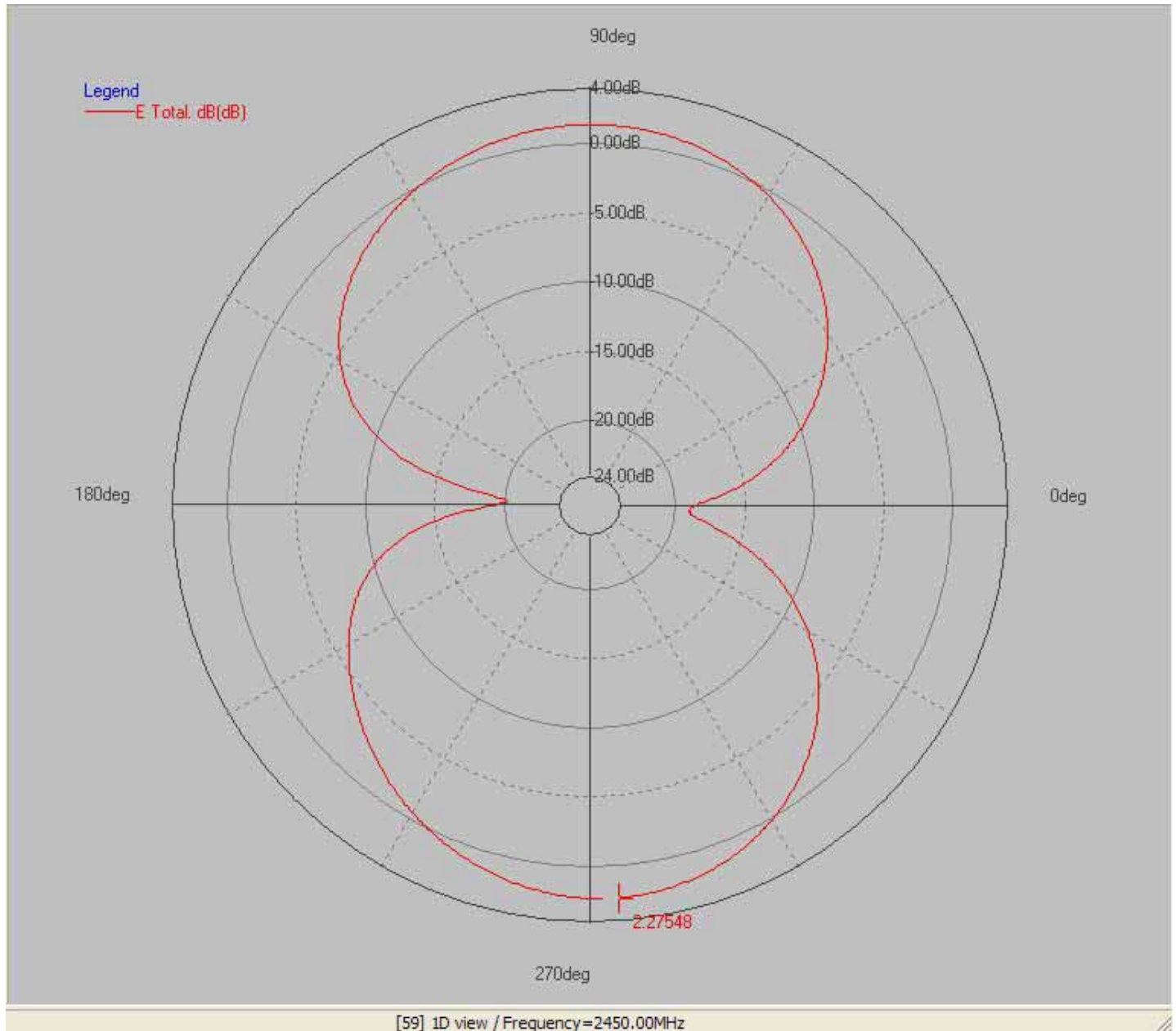
慶陞



Brand / Model : 6602113033-150

Remark : 2450MHz

Tested by : Nick Dai



-- : Max. deg

*Unit : dBi

Frequency(MHz) : **2450.00**

Pattern Field : **E plane**

Average Gain(dB) : **-3.01dB**

Maximum Gain(dB) : **2.28dB**

Maximum Gain(degree) : **-85.71**

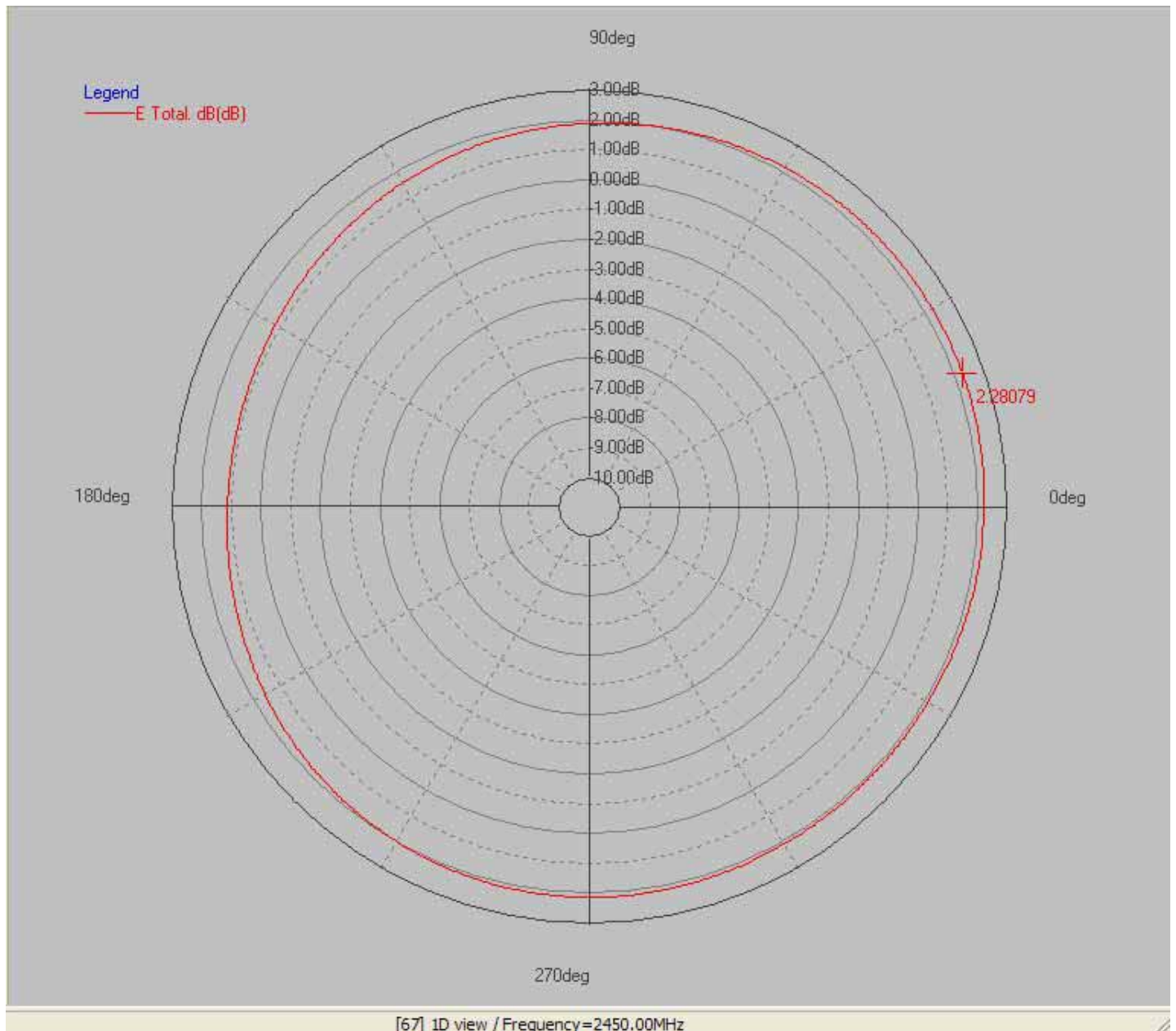
Minimum Gain(dB) : **-20.40dB**

Minimum Gain(degree) : **177.14**

Brand / Model : 6602113033-150

Remark : 2450MHz

Tested by : Nick Dai



-- : Max. deg

*Unit : dBi

Frequency(MHz) : **2450.00**

Pattern Field : **H plane**

Average Gain(dB) : **1.84dB**

Maximum Gain(dB) : **2.28dB**

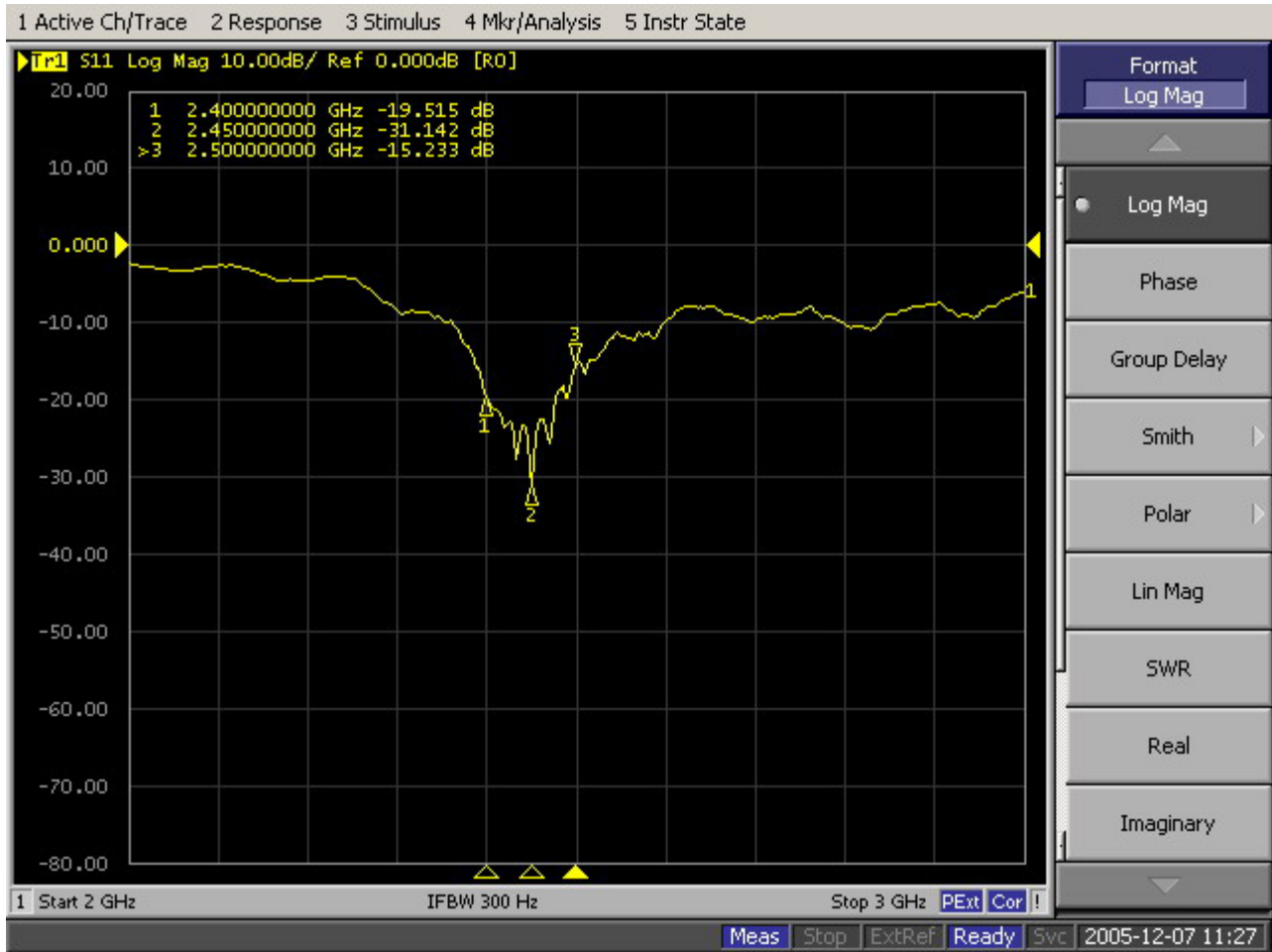
Maximum Gain(degree) : **19.53**

Minimum Gain(dB) : **1.07dB**

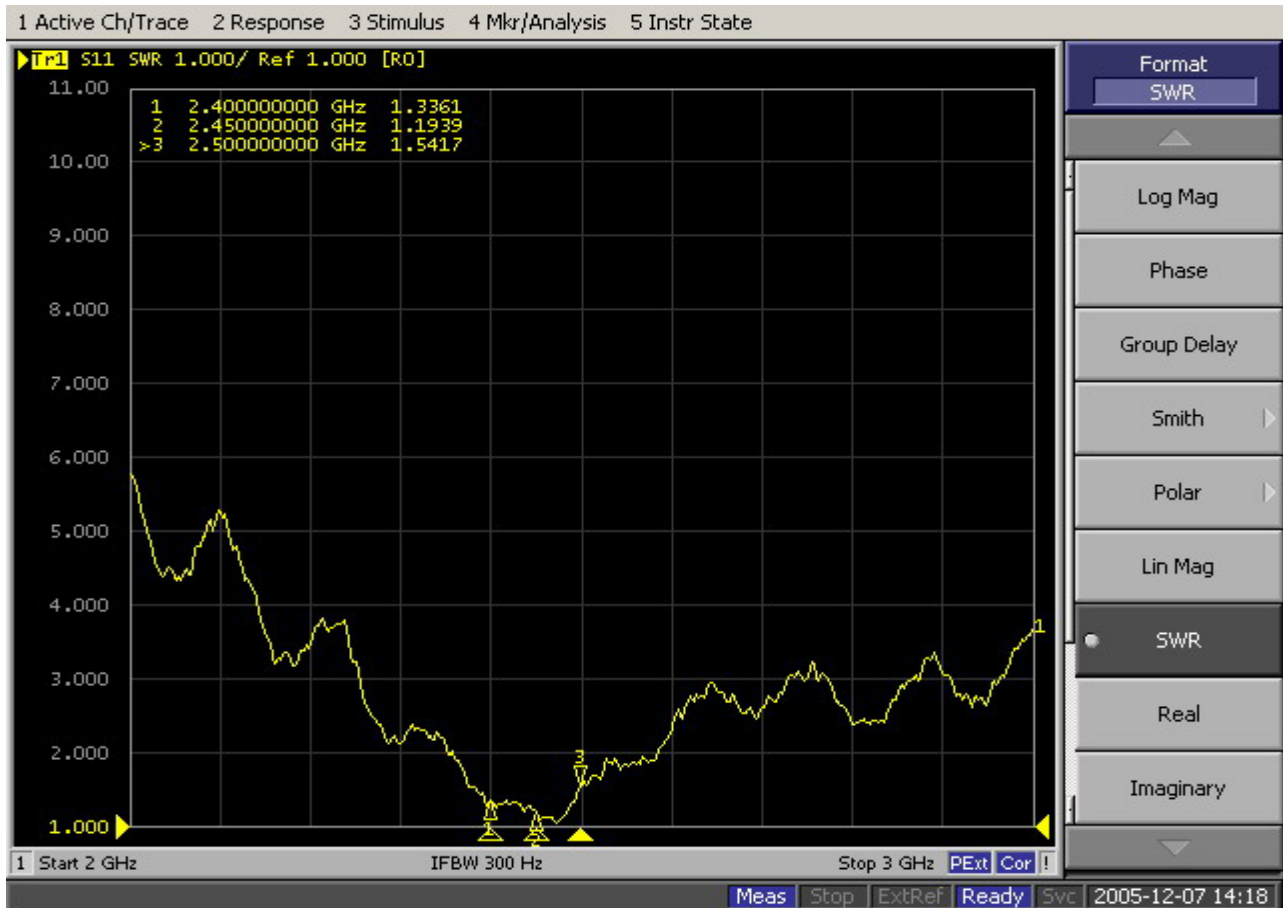
Minimum Gain(degree) : **167.42**

6602113033-150

S11



VSWR



Elastollan® S Series

Technical Bulletin

Polyester Type

Elastollan® S series of products are polyester-based thermoplastic polyurethanes that exhibit good hydrolytic stability. They also exhibit good oil, fuel and solvent resistance. These products can be injection molded, blow molded and extruded. All grades should be dried before processing. Elastollan® products can be stored for up to 1 year in their original container. Containers should be stored in a cool, dry area.

Extrusion grades: S90A

Injection molding grades: S80A to S60D

Physical Properties	Units	ASTM Method	S80A ³	S85A ³	S90A ³	S95A ³	S98A ³	S60D ³
Specific gravity	gr./cm ³	D-792	1.21	1.22	1.23	1.23	1.24	1.25
Hardness	Shore A D	D-2240	80 ± 2	85 ± 2 -	92 ± 2 41 ± 2	96 ± 2 48 ± 2	98 ± 2 54 ± 2	- 60 ± 2
Tensile strength	MPa psi	D-412	27.5 4000	34 4900	39 5600	42 6100	42 6100	43 6200
Tensile stress @100 % elongation	MPa psi	D-412	5.5 800	6.9 1000	11 1550	14 2000	19 2700	22 3200
@300 % elongation	MPa psi		9.6 1400	14 1980	20 2900	26 3800	32 4700	37 5300
Elongation @brk.	%	D-412	650	690	540	510	425	450
Tensile set @brk.	%	D-412	45	35	55	70	80	110
Tear strength	N/mm lb./in.	D-624 DIE C		104 590	128 730	154 875	185 1050	195 1150
Abrasion resistance	mg (Loss)	D-1044 ² (Taber)	25	25	25	30	50	50

Test samples were cured 20 hours @ 100 °C before testing.

- NOTE:** ¹ These products can only be ordered in minimum quantities. Please contact your sales representative for details.
² H-18 wheel, 1000 gm weight and 1000 cycles.
³ Products with an N designation do not contain hydrolytic stabilizers. Contact Elastollan Technical Service Rep for further information

Caution: Contact with product dusts from regrinding operations may cause temporary irritation of the eyes and the respiratory tract. Use with local exhaust. Under hot melt processing conditions (170-230 °C), wear personal protective equipment to prevent thermal burns.

First aid: *Eyes*-Flush eyes with flowing water at least 15 minutes. If irritation develops, consult a physician. *Skin*-Skin contact with hot melt may cause thermal burns. Call a physician immediately. *Inhalation*-If vapors generated from the hot melt process are inhaled, move to fresh air. Aid in breathing. If breathing difficulties develop, see a physician immediately.

In case of fire: Use water fog, foam, CO₂, or dry chemical extinguishing media. Firefighters should be equipped with self-contained breathing apparatus and turnout gear.

Disposal: Waste material, unused contents and empty containers must be disposed of in accordance with applicable local, state or federal regulations. Refer to our Material Safety Data Sheet for specific disposal instructions.

In case of chemical emergency: Call CHEMTREC day or night for assistance and information concerning spilled material, fire, exposure and other chemical accidents. 800-424-9300

Attention: This product is sold solely for use by industrial institutions. Refer to our Material Safety Data Sheet regarding safety, usage, applications, hazards, procedures and disposal of this product. Consult your supervisor for additional information.

No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding products described or designs, data or information set forth or that the products designs, data or information may be used without infringing the intellectual property rights of others in no case shall the descriptions information, data or designs provided be considered a part of our terms and conditions of sale. Further, you expressly understand and agree that the descriptions, designs, data and information furnished by BASF hereunder are provided gratis and BASF assumes no obligation or liability for the description, designs data and information given or results obtained, all such being given and accepted at your risk.

BASF Corporation, 1609 Biddle Avenue, Wyandotte, Michigan 48192 (800) 892-3111 x21, www.basf.com/elastollan

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BASF

日本帝人化成聚碳酸酯樹脂 POLYCARBONATE RESIN "TEIJIN PANLITE"

規 格 型 號 特 性	比 重 g/cm ³	透 光 率 3mm 厚 度 %	彎 曲 強 度 kg/cm ²	熱 變 形 度 12.6kg °C	吸 收 率 %		防火等級		
					透 射	反 射			
高衝擊級	I.E-1250	高衝擊、射出級	1.18	半透明	21,500	85	134	0.5 ~ 0.9	HB
防火級	LN-1250 LN-2250 ✓	射出防火 V-0 具難型	1.22	80	22,300	80	136	0.5 ~ 0.7	V-0
	LN-1250G	射出防火 V-0 具難型	1.22	半透明	23,000	80	133	0.5 ~ 0.7	V-0
光高反射級	I.D-1000RM	全反射耐衝擊透光性強	1.23	光線反射率 2mm 96 以上	25,000	80	134	0.4 ~ 0.6	
玻璃纖維強化級 PANLITE-G GLASS FIBRE REIN- FORCED GRADE	G-3110	射出玻璃纖維 10 %	1.27	半透明	36,000	9	146	0.3 ~ 0.5 0.4 ~ 0.5	V-2 V-0
	G-3115	射出玻璃纖維 15 %	1.30	半透明	45,000	12	147	0.3 ~ 0.4 0.4 ~ 0.5	V-2 V-0
	G-3120	射出玻璃纖維 20 %	1.34	半透明	55,000	14	148	0.1 ~ 0.3 0.4 ~ 0.6	V-2 V-1
	G-3130	射出玻璃纖維 30 %	1.43	半透明	74,000	16	149	0.02 ~ 0.2 0.3 ~ 0.5	V-2 V-1
易離型級 PANLITE-G MOLD RELEASE GRADE	G-3110R	射出、易離型含玻璃纖維 10 %	1.27	不透明	36,000	9	145	0.2 ~ 0.5 0.4 ~ 0.6	V-2 V-0
	G-3130R	射出、易離型含玻璃纖維 30 %	1.43	不透明	74,000	12	150	0.02 ~ 0.2 0.3 ~ 0.5	V-2 V-1
外觀良好級 PANLITE-G GOOD APPEARANCE G- RADE	G-3110H	射出、低屈曲含玻璃纖維 10 %	1.27	半透明	34,000	5	140	0.3 ~ 0.5 0.4 ~ 0.6	V-2 V-0
	G-3115H	射出、低屈曲含玻璃纖維 15 %	1.30	半透明	40,000	6		0.2 ~ 0.4 0.4 ~ 0.6	V-2 V-0
	G-3120H	射出、低屈曲含玻璃纖維 20 %	1.34	半透明	47,000	6		0.2 ~ 0.4 0.4 ~ 0.6	V-2 V-0
	G-3124H	射出、低屈曲含玻璃纖維 24 %		半透明	52,000	7		0.1 ~ 0.3 0.4 ~ 0.5	V-2 V-0
	G-3130H	射出、低屈曲含玻璃纖維 30 %	1.43	半透明	55,000	9	142	0.1 ~ 0.3 0.3 ~ 0.5	V-2 V-1
低屈曲級 PANLITE-G LOW ANISOTROPIC G- RADE	G-3110M	射出超低屈曲、外觀良好 含玻璃纖維 10 %	1.27	半透明	26,000	8	133	0.5 ~ 0.7	V-2 V-0
	G-3115M	射出超低屈曲、外觀良好含玻璃纖維 15 %	1.30	半透明	28,500	5	140	0.1 ~ 0.6	V-2
	G-3120M	射出超低屈曲、外觀良好含玻璃纖維 20 %	1.34	半透明	31,000	4	141	0.4 ~ 0.5	V-2
	G-3130M	射出超低屈曲、外觀良好 含玻璃纖維 30 %	1.43	半透明	40,000	2	135	0.3 ~ 0.5	V-2 V-1
玻璃纖維強化難燃級 FLAME RETARD GRADE	GN-3110	射出防火含玻璃纖維 10 %	1.26	半透明	35,000	7	146	0.3 ~ 0.5 0.4 ~ 0.6	V-0
	GN-3120	射出防火含玻璃纖維 20 %		半透明					V-0
	GN-3130	射出防火含玻璃纖維 30 %	1.44	半透明	75,000	12	149	0.02 ~ 0.2 0.3 ~ 0.5	V-0
FRICTION & ABRA- SION RESISTANT 耐磨、耐蝕級	GS-3130	射出、耐磨、耐蝕含玻璃 纖維 30 %	1.51	半透明	77,000	14	150	0.02 ~ 0.2 0.3 ~ 0.5	V-1 V-0
	LS-1250	射出耐磨、耐蝕	1.23	半透明	21,500	12	136	0.5 ~ 0.7	V-2 V-0

◎ 以上表所列數值 僅供參考用

QMFZ2 Component - Plastics

Sunday, March 15, 1998

E50075

TEIJIN CHEMICALS LTD

HIBIYA DAIBIRU BLDG 2-2 UCHISAIWAI-CHO 1-CHOME CHiyODA-KU TOKYO 100-0011 JAPAN

Material Designation: **LN-1250G#(f1)***

Product Description: Polycarbonate (PC), designated "Panlite" furnished as pellets, powder.

Color	Min. Thick. (mm)	Flame Class	HWI	HAI	RTIElec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
ALL	1.0	V-0	1	2	125	105	115	-	-
	1.5	V-0	3	0	125	115	125	-	-
	3.0	V-0	3	0	125	115	125	-	-
	6.0	V-0	2	0	125	115	125	-	-
CTI: 3			HVTR: 3		D495: 6		IEC BP: -		

Material designation may be suffixed with any one or two letters.

(f1) Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

* All colors except clear.

Report Date: 05/11/1989

Underwriters Laboratories Inc®

699748006

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULL.

SPECIFICATION

1.Kind of Product : RFX50-SS32-113S

2.Character of conductor :

Item	Material	Unit	Detail of spec.
1.Conductor	Material	----	Silver-plated copper stranded conductor
	Construction	No/mm	7/0.08
	Cond. Dia.	mm	0.24
2.Insulation	Material	----	Teflon FEP
	Outer dia.	mm	0.68 + 0.04 - 0.02
	Color	----	Natural color
3.Braiding Conductor	Material	----	Silver-plated copper wire
	Construction	No/mm	16/4/0.05
	Outer dia.	mm	Approx. 0.88
	Shielding	%	Min. 90
4.Extruding	Material	----	Teflon FEP
	Outer dia.	mm	1.13 + 0.08 - 0.05
	Color	----	#16-BLACK or other color
5.Bending radius	Without load	mm	5xΦ Cable
	With load	mm	10xΦ Cable