

Connector**Reverse SMA Plug**

The connector is a reverse SMA plug join on the antenna.

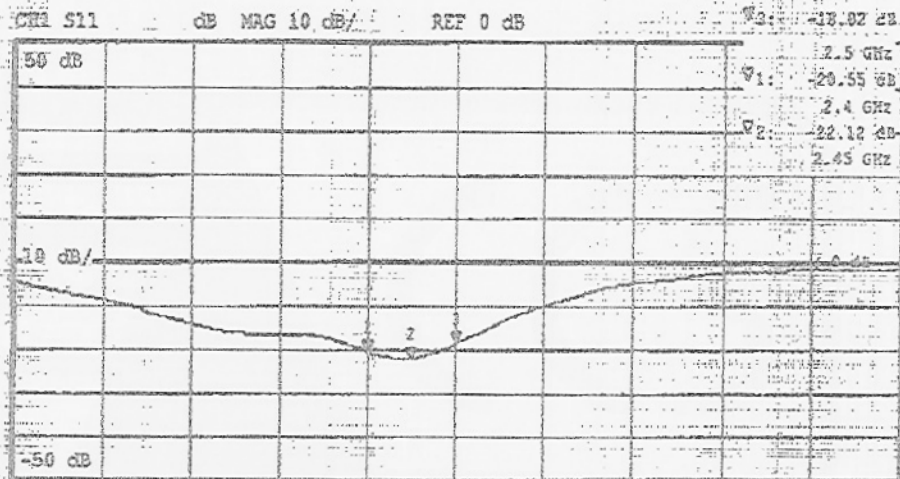
Electrical Properties	1) Impedance	50 ohm
	2) Frequency Range	0~8 GHz
	3) V.S.W.R.	1.1 (Max.)
	4) Working Voltage	≤250 Vrms
	5) Dielectric Withstanding	≤750 Vrms
	6) Voltage Insulation Resistance	≥2000Megohm
	7) Contact Resistance	Center contact: 3.0 Milliohm (Max.) Outer contact: 2.5 Milliohm (Max.)
	8) Insertion Loss(2.4GHz)	0.3 dB
Mechanical Properties	1) Recommended coupling nut torque	4.0 in. lbs. ~ 8.8 in. lbs.
	2) Coupling nut retention force	≥50 lbs.
	3) Contact captivation axial	≥5 lbs.
Environmental Ratings	1) Operating Temperature	-65°C ~ +165°C
	2) Thermal Shock	MIL-STD-202, Method 107, Condition B
	3) Corrosion	MIL-STD-202, Method 101, Condition B
	4) Shock	MIL-STD-202, Method 213, Condition I
	5) Vibration	MIL-STD-202, Method 204, Condition D
	6) Moisture Resistance	MIL-STD-202, Method 106
Material Specifications	1) Body	Brass Per JIS H3250 C3604 BD, Black chrome Plated
	2) Contact	Beryllium Copper Per QQ-C-550, Gold Plated Per MIL-G-45204
	3) Insulator	PTFE Fluorocarbon Per ASTM D 1710

Model. HWX-241XRSXX-512

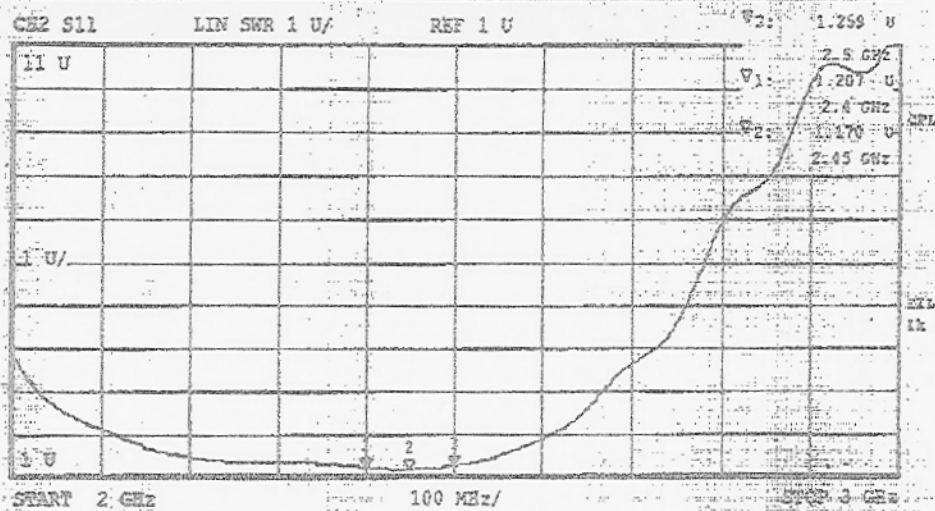
Test Report

Electrical Test

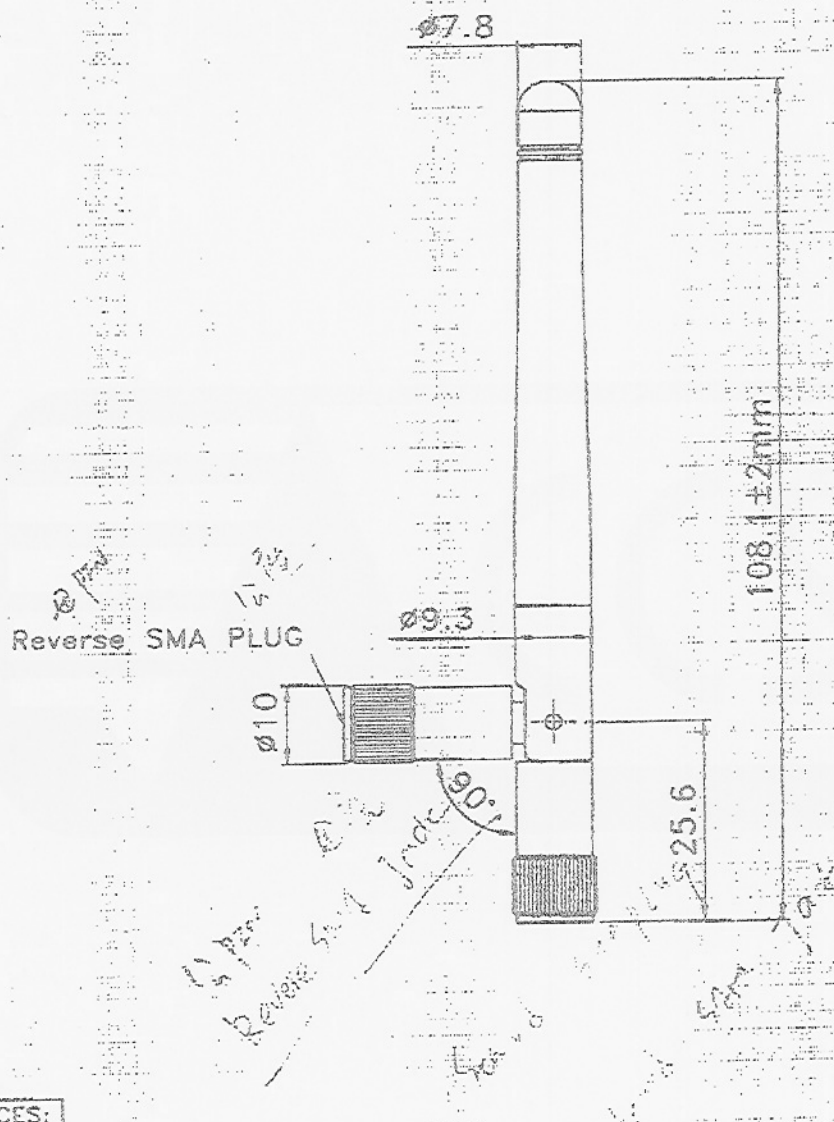
Return loss



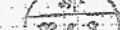
V.S.W.R.



工程 / 部品圖



TOLERANCES:	
X	± 1
X.X	± 0.5
X.XX	± 0.25
ANG.	$\pm 2.0^\circ$

REV DESCRIPTION	MATERIAL	MODEL: IWX-241XRSXX-512		
	FINISH	NAME: Swivel Antenna		
	UNIT: mm	PART No: IWX-241XRSXX-512		
	SCALE: 0.5/1	DESIGN	APPROVE	REV
	DATE: 4/6/2004	HUA		00

OP0502-01-02

JOYMAX ELECTRONICS CO., LTD

to Pablo

ZM 林德豐

Model. IWX-241XRSXX-512

Antenna Specifications

Description

- 1) The antenna is a swivel and 1/4 λ dipole antenna.
It's useful for the ISM Band of 2.4~2.5 GHz

Electrical Properties

- | | |
|--------------------------|----------------------|
| 1) Frequency Range | 2.4~2.4835GHz |
| 2) Impedance | 50 ohm nominal |
| 3) V.S.W.R. | ≤ 2.0 |
| 4) Return Loss | $\geq 10dB$ |
| 5) Gain | 2dBi |
| 6) Polarization | Vertical |
| 7) Admitted Power | 1W |
| 8) Electrical Wavelength | 1/4 λ Dipole |

Mechanical Properties

- | | |
|----------------------|--|
| 1) Connector | Reverse SMA Plug |
| 2) Antenna Cover | Polyurethane |
| Antenna Base | Polycarbonate |
| 3) Rotating Test | 1.2 Kg. cm. After 2000 cycles with the rate of 30 cycles/minute (max.)
It shall be possible to remain in its position |
| 4) Adhesive Strength | 5.0kgf (at 30 minutes) |

