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Model. IWX-151RSXXX-512
Antenna Specifications

• Description 1) The antenna is a swivel and $1/4 \lambda$ 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	$\leq -10dB$
	5) Gain	5dBi
	6) Polarization	Vertical
	7) Admitted Power	1W
	8) Electrical Wavelength	$1/4 \lambda$ 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 it's position.
4) Adhesive Strength	5.0kgf(at 30minutes)	

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Connector

Reverse SMA Plug

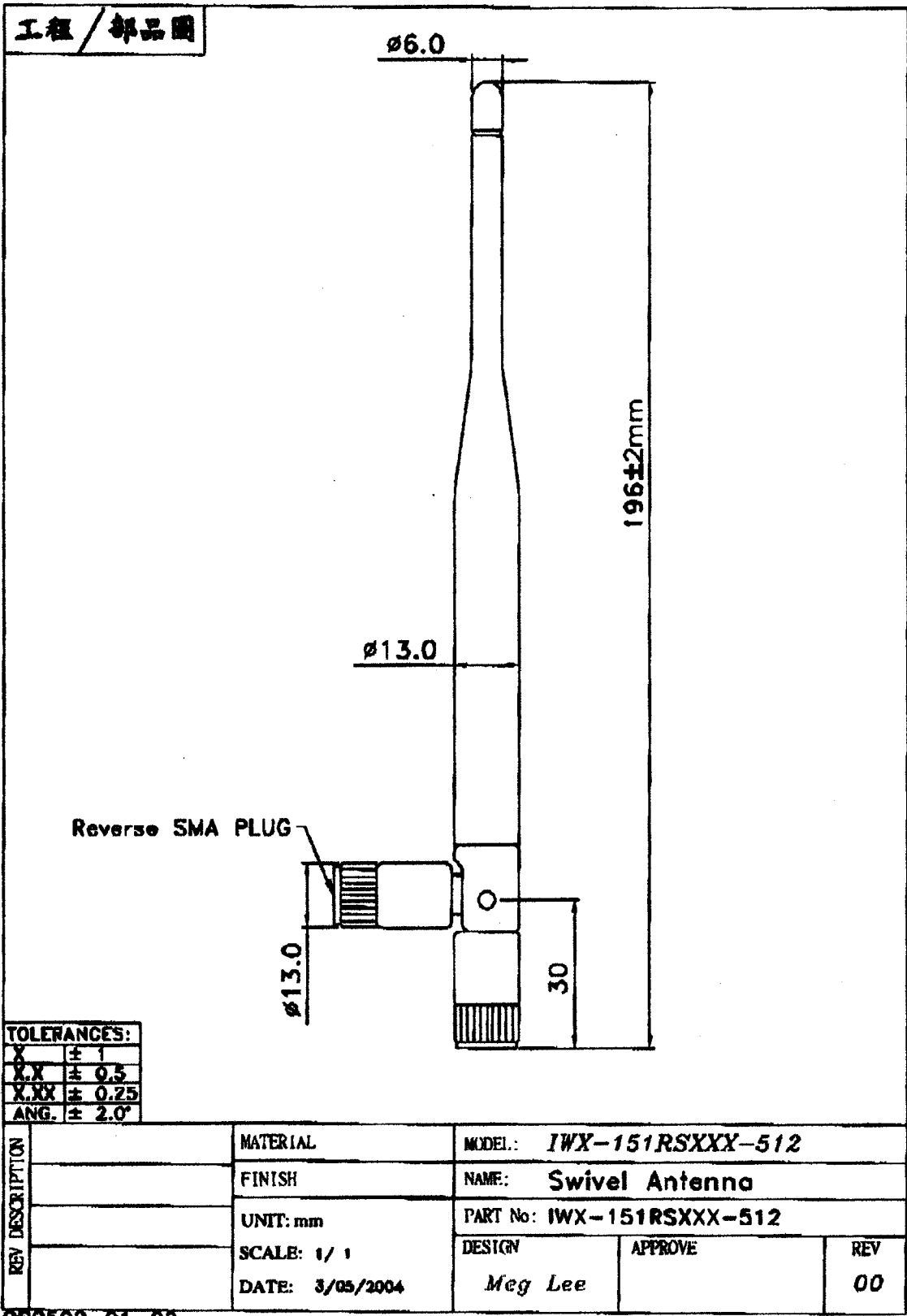
The connector is a reverse SMA plug join on the antenna.

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	≥ 2000 Megohm
	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-530, Gold Plated Per MIL-G-45204
	3) Insulator	PTFE Fluorocarbon Per ASTM D 1710



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