



Specification

SPECIFICATION

Part No. : **GW-433-0-90-SMAM**

Product Name : 433MHz Band 0dBi R/A SMA(M) Helical

Features : Design for robust handling
Low profile and easy to use
ROHS Compliant

Photo :



REVISION STATUS

Version	Date	Page	Revision Description	Prepared	Approved
01	Mar 11 2008	All	New product	TW Product Centre	Zita Lin



Specification

1.0 Introduction

The GW-433 series are high performance 433MHz omni-directional antennas. The GW-433-0-90-SMAM helical SMA plug mount antenna is ideal for mobile small form factor applications. At only 48mm in length omni-directional 0dBi gain ensures constant reception and transmission. The antenna structure is designed for robust handling and the housing is made with TPE giving reliable performance in tough environments.

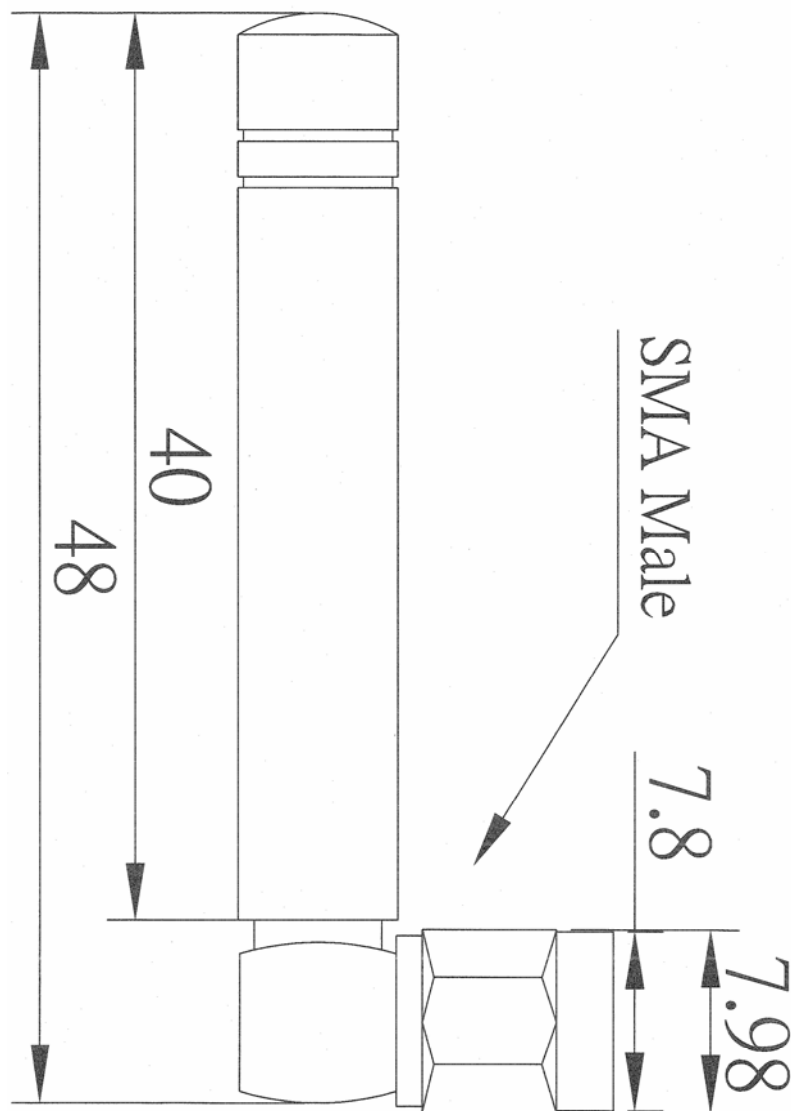
2.0 Key Antenna Performance Indicators

Communication System	ISM Band/ Industrial Applications
Frequency	433 MHz
Gain	0dBi
Impedance	50 Ohm
Radiation Pattern	Omni-directional
Polarization	Linear (Vertical)
VSWR	≤ 1.5
Power handling	1 W
Housing	TPE
Connector	90 SMA male plug
Operation Temperature	-40°C to + 85°C
Storage Temperature	-40°C to + 85°C
Relative Humidity	40% to 95%



Specification

3.0 2D Dimensioned Drawing

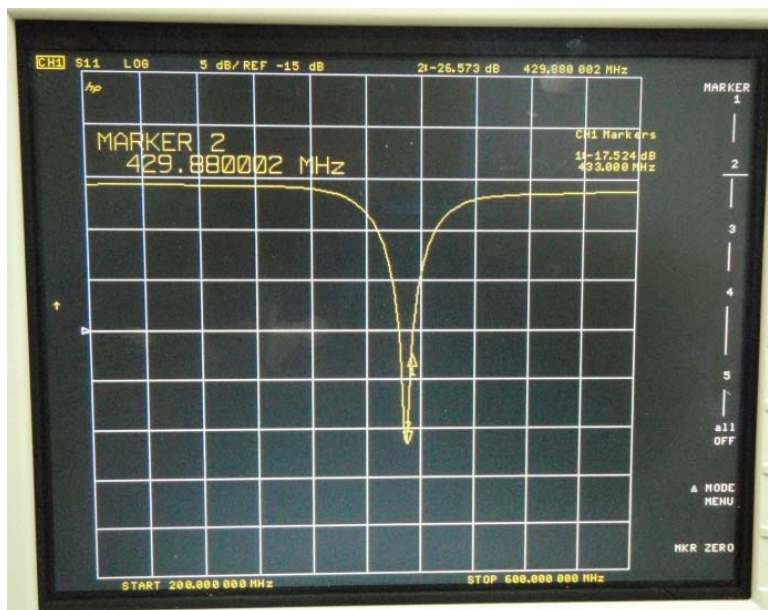




Specification

4.0 Antenna Electrical Characteristics

Return Loss



Return loss is -17.7dB at 433MHz. Peak is -26.5dB at 430MHz

Smith Chart

