

# **SPECIFICATION**

Part No. : **TI.10.0111** 

Product Name : 433MHz ISM Band Terminal Antenna

Omni-directional, with a peak gain of 0dBi

Features : SMA(M) Plug Connector

Low Profile and Robust Handling

46mm Antenna Dimensions

IP65

RoHS Compliant

Picture :





### 1. Introduction

The TI.10 series are high performance 433MHz omni-directional antennas. The TI.10 terminal SMA plug mount antenna is ideal for mobile small form factor applications. At only 46mm in length Omni-directional with a peak gain 0dBi 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.

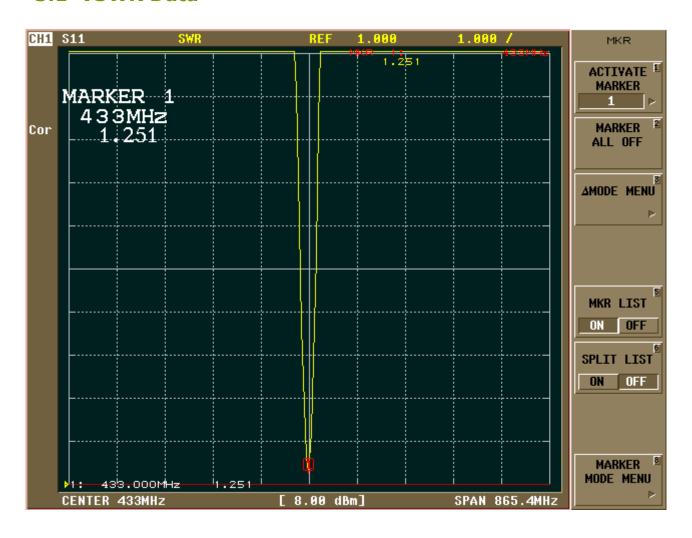
## 2. Key Antenna Performance Indicators

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Parameter	Specification			
Applications	433MHz ISM Band			
Frequency	433.05~434.79MHz			
Peak Gain	0dBi			
Return Loss	-17dB			
Impedance	50 Ohms			
Radiation Pattern	Omni-directional			
Polarization	Linear			
VSWR	≤1.5:1			
Power handling	5 W			
Housing	TPE			
Connector	SMB(F) plug			
Operation Temperature	-40°C to + 85°C			
Storage Temperature	-40°C to + 105°C			
Relative Humidity	40% to 95%			
Dimensions	Length: 46mm			
Weight	Weight 8.5g			



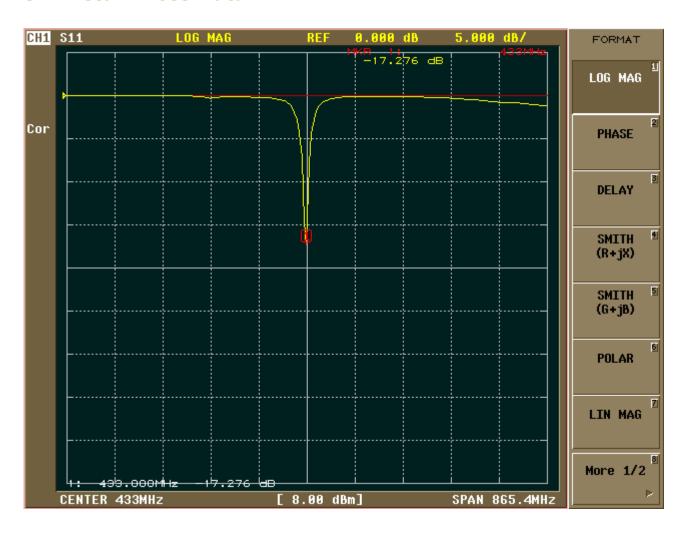
### 3. Antenna Parameters

#### 3.1 VSWR Data



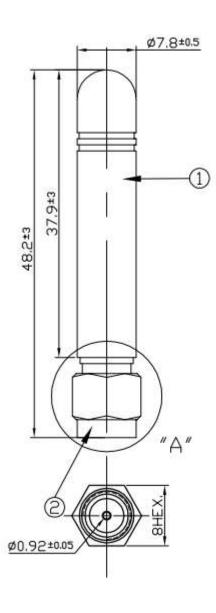


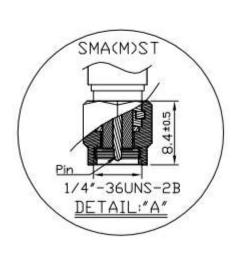
### 3.2 Return Loss Data





# 4. Mechanical Drawing





	Name	Material	Finish	Quantity
①	Antenna Cover	TPU	Black	1
2	SMA(M)ST	Brass	Gold	1