SPECIFICATION

Part No.	:	**TI.10.0421**
Product Name	:	433MHz ISM Band Terminal Antenna Omni-directional, with a peak gain of 0dBi
Features	:	SMB(F) Plug Connector Low Profile and Robust Handling 46mm Antenna Dimensions IP65 RoHS Compliant
Picture	:	



1. Introduction

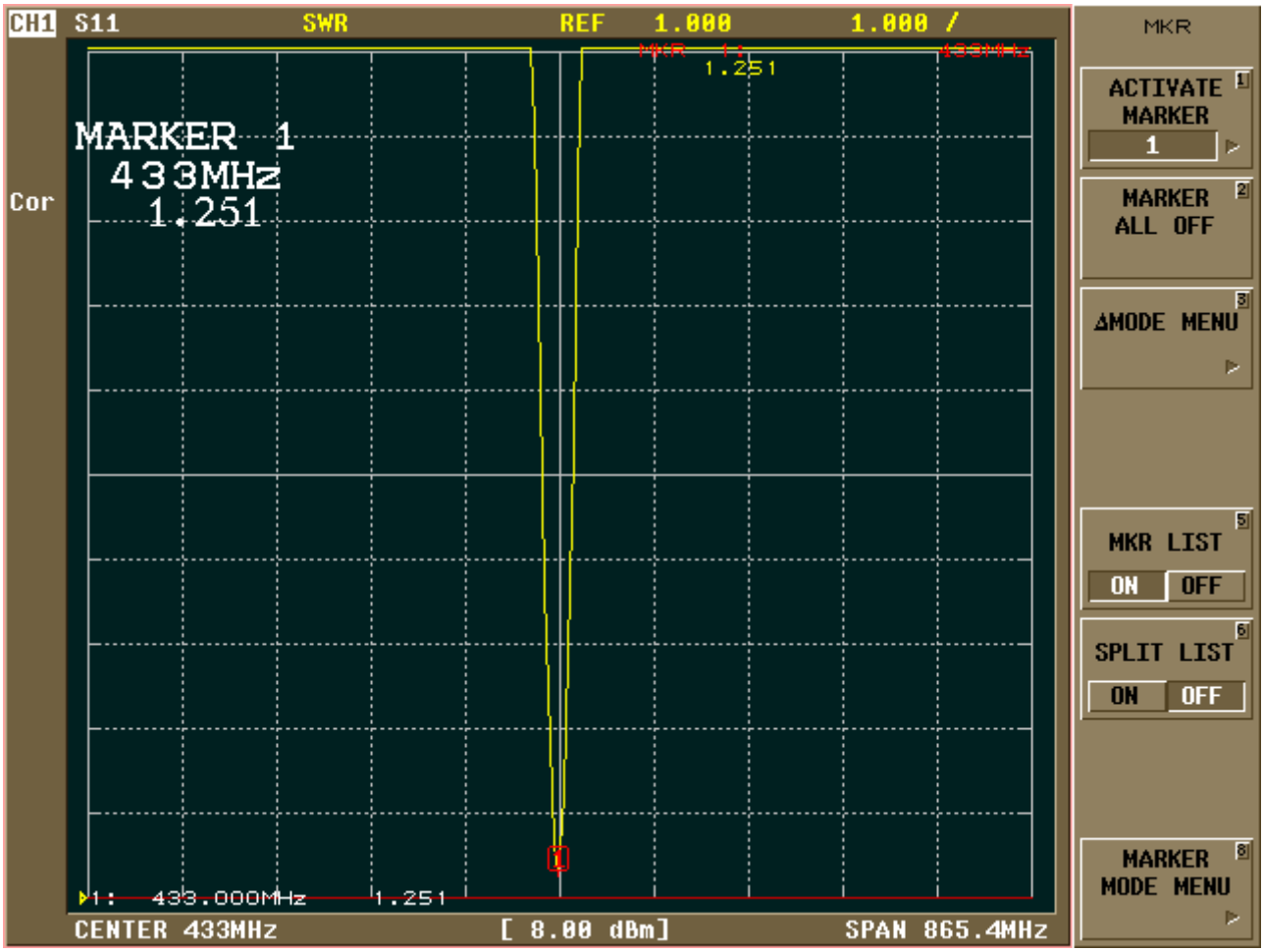
The TI.10 series are high performance 433MHz omni-directional antennas. The TI.10 terminal SMB plug mount antenna is ideal for mobile small form factor applications. The SMB connector is the preferred connector for automotive applications as it has a push lock feature, quick and easy to install, eliminates cost of cable and issues related to cable such as loss, twisting and noise, and resistant to disconnection from vibration. 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

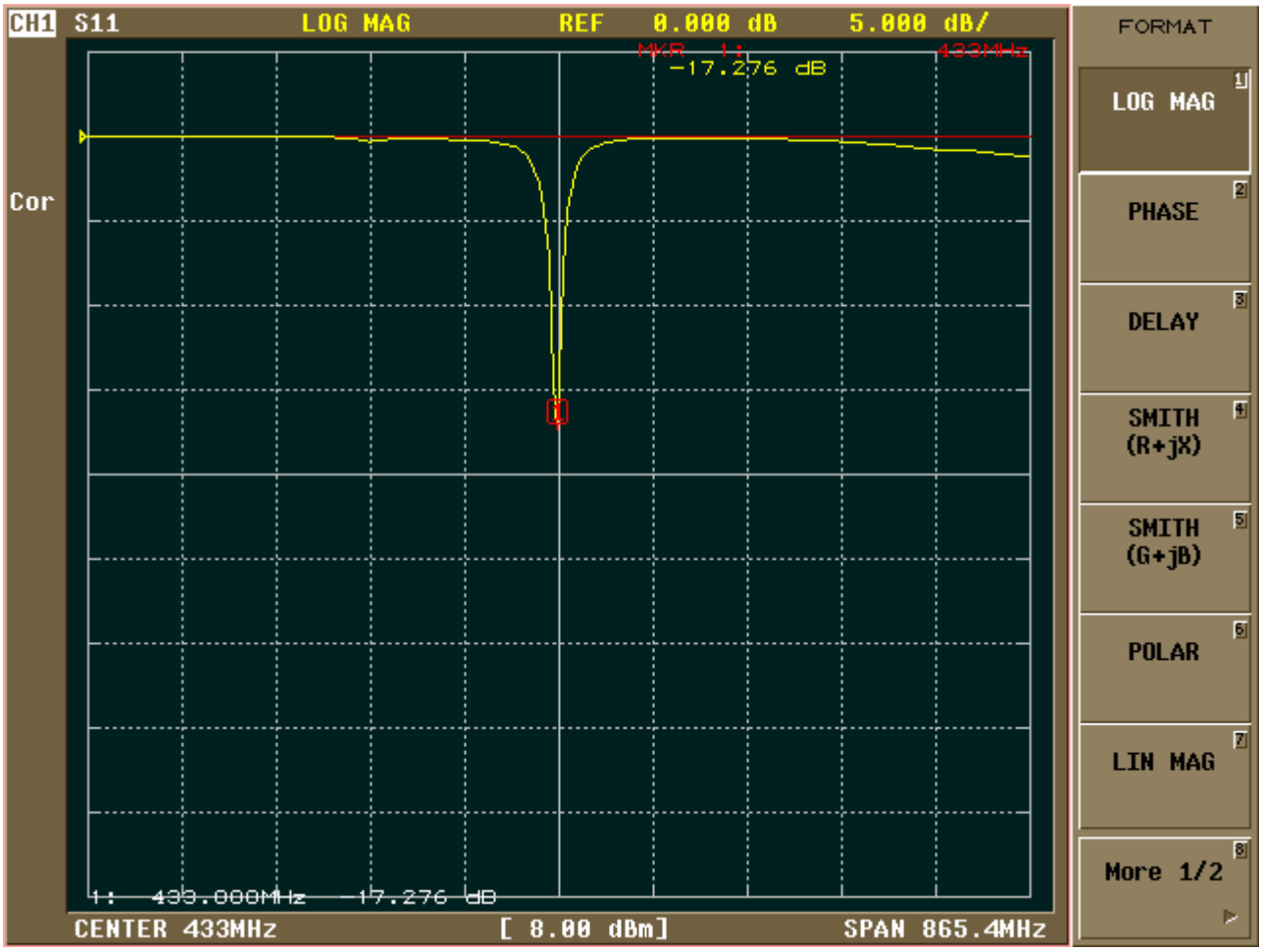
Parameter	Specification
Applications	433MHz ISM Band
Frequency	433.05□434.79MHz
Peak Gain	0dBi
Return Loss	-17dB
Impedance	50 Ohms
Radiation Pattern	Omni-directional
Polarization	Linear
VSWR	≤1.5:1
Power handling	5 W
Housing	TPE
Connector	SMB(F) plug
Operation Temperature	-40°C to + 85°C
Storage Temperature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

3. Antenna Parameters

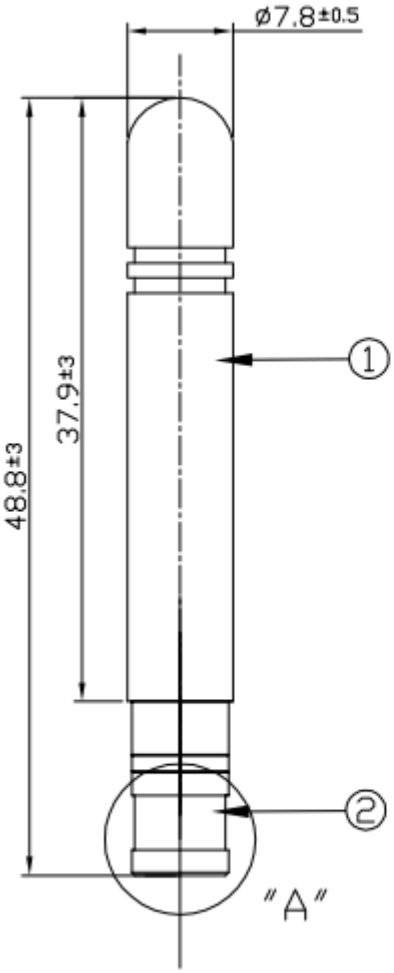
3.1 VSWR Data

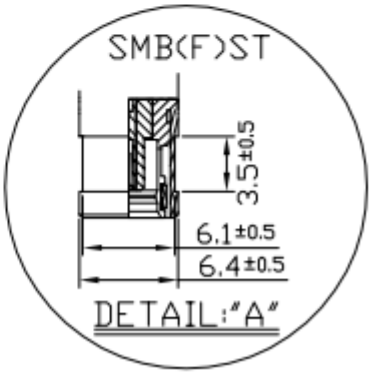


3.2 Return Loss Data



4. Mechanical Drawing





Unit: mm