

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

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



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