



Close-up

TI.10.0111.HT

Specification

Part No.	TI.10.0111.HT
Product Name	433MHz ISM Band Terminal Antenna Omni-Directional 0dBi HIGH TEMPERATURE
Feature	SMA(M) Plug Connector Dupont® Hytrel® High Temperature Resistant TPEE Housing (up to 150°C) Low Profile and Robust Handling 48.2mm Antenna Dimensions IP65 RoHS Compliant

1. Introduction

The TI.10 HT series are robust miniature 433MHz omni-directional antennas suitable for high temperature applications. The TI.10 terminal SMA plug mount antenna is ideal for mobile small form factor applications.

At only 48.2mm in length an omni-directional pattern with a peak gain 0dBi ensures constant reception and transmission. The antenna housing is made of Dupont® Hytrel® TPEE material which is durable in high

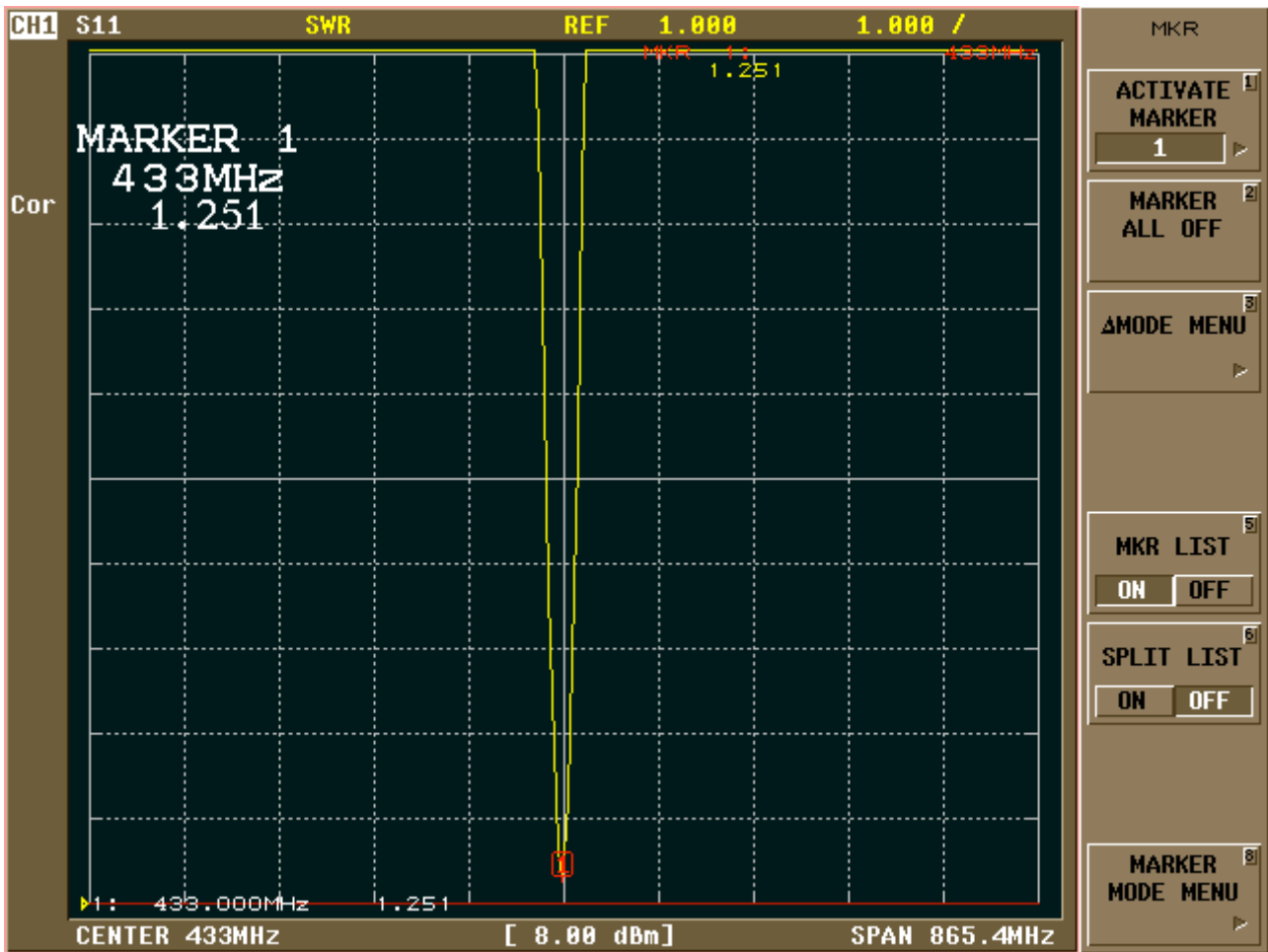
temperature application environments up to 150°C. This material is proven in the automotive industry applications, thus allowing the antenna to be placed nearer the engine or heat generating components.

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	Dupont® Hytrel® TPEE
Connector	SMA(M) plug
Operation Temperature	-40°C to + 150°C
Storage Temperature	-40°C to + 105°C
Relative Humidity	40% to 95%
Dimensions	Length: 48.2mm
Weight	8.5g

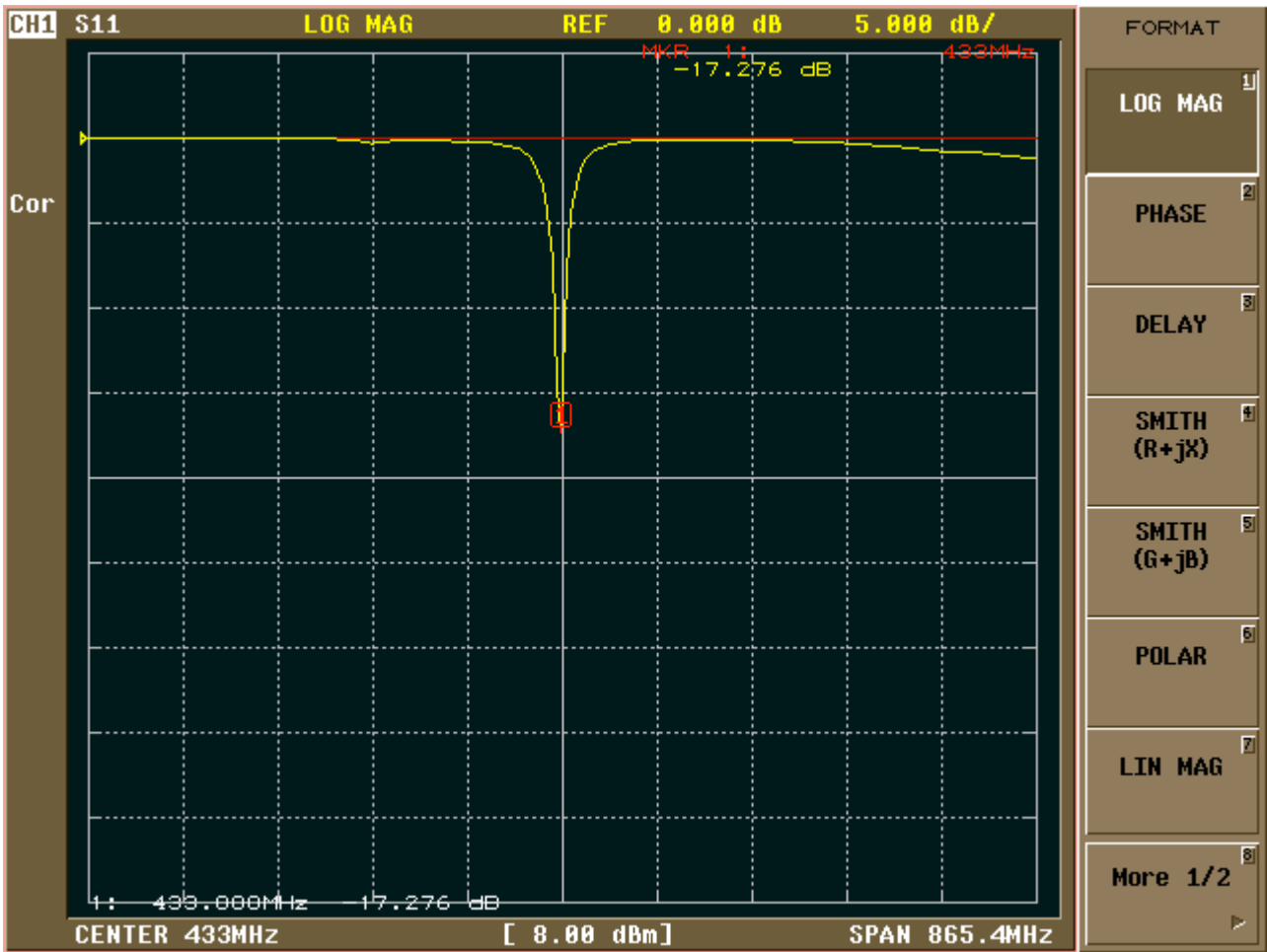
3. Antenna Parameters

3.1 VSWR Data

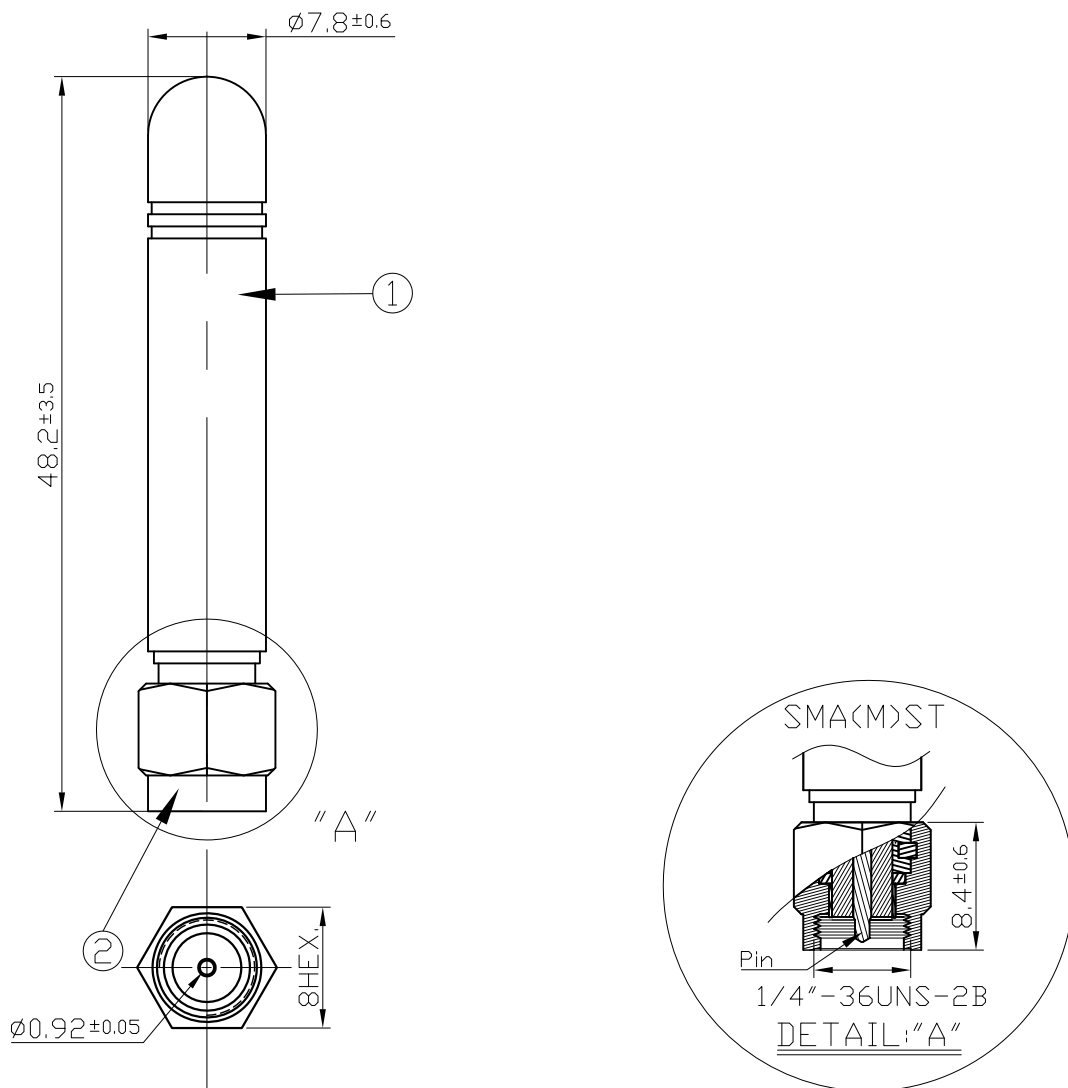


3. Antenna Parameters

3.2 Return Loss Data



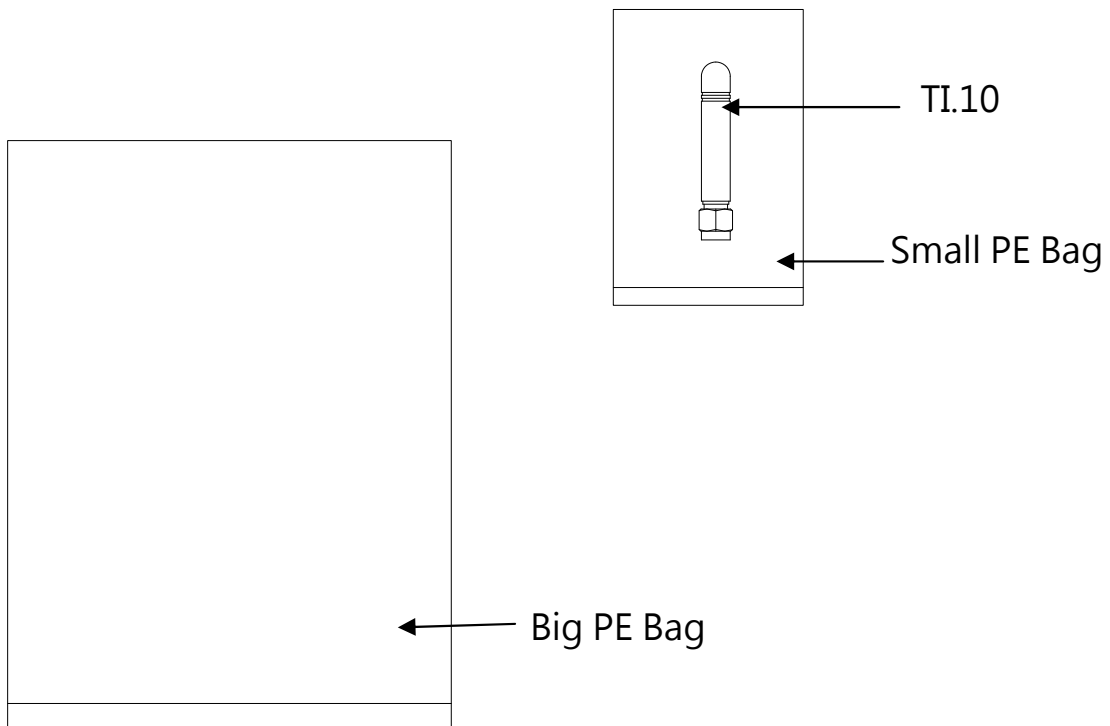
4. Mechanical Drawing



	Name	Material	Finish	QTY
1	Housing High Temperature	TPEE	Black	1
2	SMA(M)ST	Brass	Gold	1

5. Packaging

1 pcs antenna per small PE bag
100 small PE bags per big PE bag
100pcs antennas per big PE bag



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