

ADS-B Gooseneck Antenna

MODEL: TH-1090A-TNC(M)



1. GENERAL DESCRIPTION

Model No	P/N
TH-1090A	TH1090A-TNC(M)

Below is a table summarizing the antenna design specification.

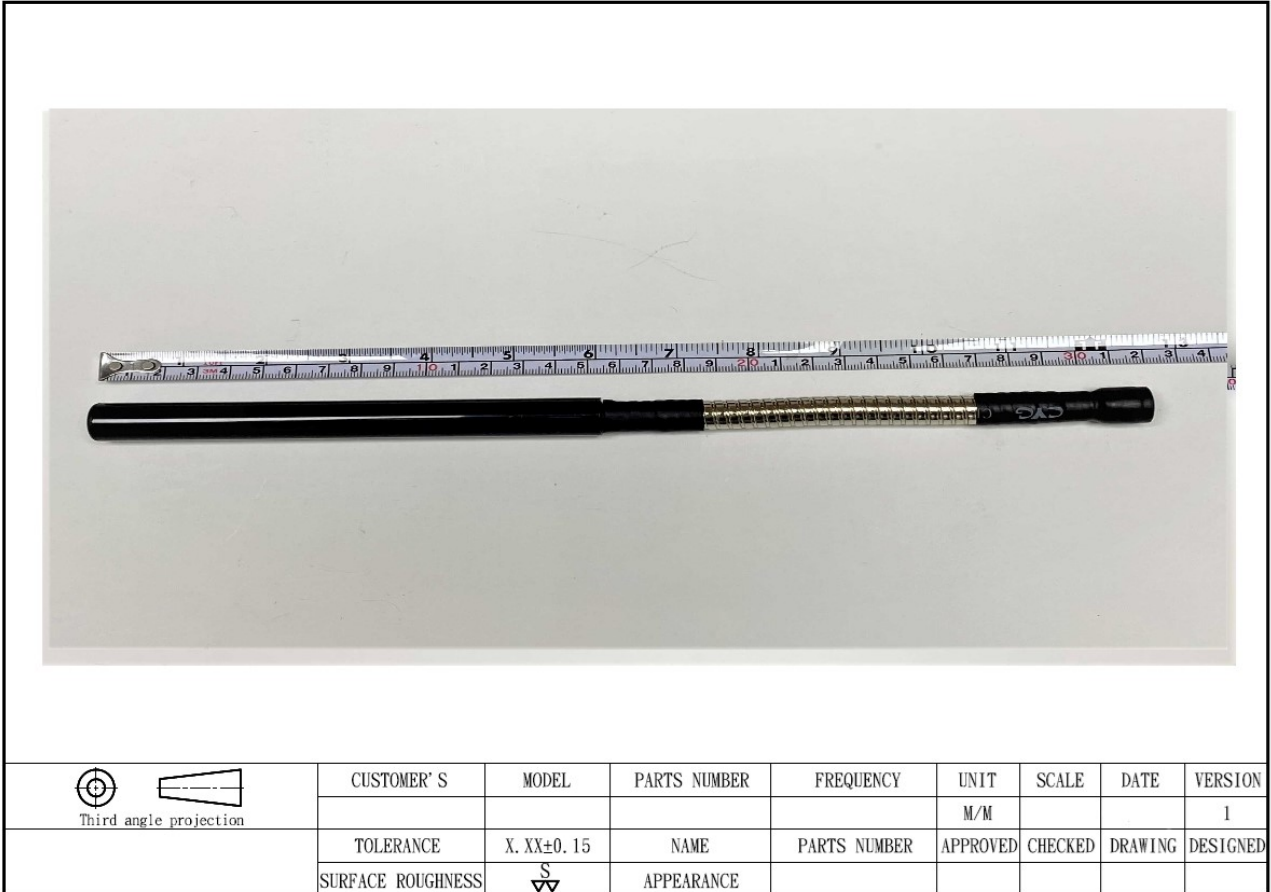
1.1 Electrical Properties

Parameter	Description
Frequency Band	1.0~1.2Ghz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	3db

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	TNC 180°(Male)
Antenna Dimensions	318mm ±20
Antenna Color	Black
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-30°C~+80°C

2. Appearance



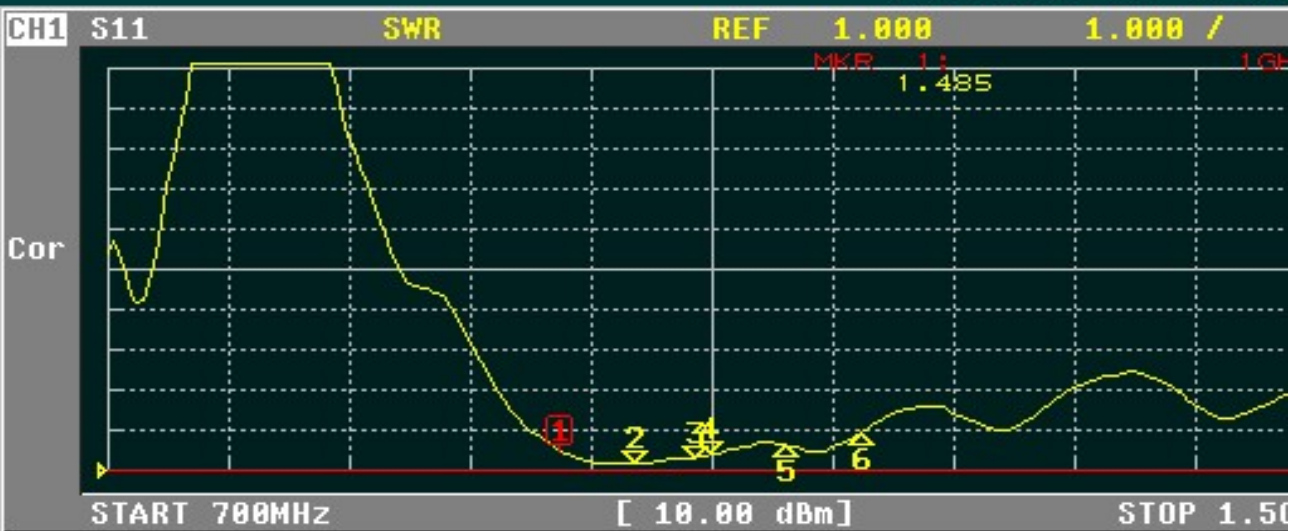
3. Frequency





CH1 MARKER LIST

1:	1.000	000GHz	-14.028	dB
2:	1.050	000GHz	-23.108	dB
3:	1.090	000GHz	-16.573	dB
4:	1.100	000GHz	-15.609	dB
5:	1.150	000GHz	-12.750	dB
6:	1.200	000GHz	-10.039	dB
7:				
8:				
9:				



CH1 MARKER LIST

1:	1.000	000GHz	1.485
2:	1.050	000GHz	1.158
3:	1.090	000GHz	1.334
4:	1.100	000GHz	1.400
5:	1.150	000GHz	1.622
6:	1.200	000GHz	1.952
7:			
8:			
9:			

CH1 S11

SMITH(R+jX)

FS 1.000

MKR 1: 58.357 Ω -18.914 Ω

Cor



START 700MHz

[10.00 dBm]

STOP 1.50

CH1 MARKER LIST

1:	1.000 000GHz	58.357 Ω	-18.914 Ω	8.414pF
2:	1.050 000GHz	58.695 Ω	-581.883mΩ	260.492pF
3:	1.090 000GHz	67.020 Ω	-3.560 Ω	41.010pF
4:	1.100 000GHz	68.884 Ω	-6.264 Ω	23.095pF
5:	1.150 000GHz	48.611 Ω	-23.943 Ω	5.780pF
6:	1.200 000GHz	38.737 Ω	-27.306 Ω	4.857pF
7:				
8:				
9:				