

UHF Antenna

MODEL: TH-460G



1. GENERAL DESCRIPTION

Model No	P/N
TH-460G	TH460G-TNC(M)

Below is a table summarizing the antenna design specification.

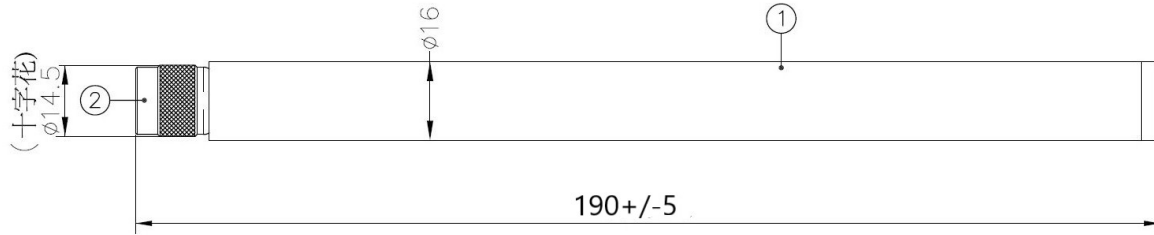
1.1 Electrical Properties


Parameter	Description
Frequency Band	450~470 MHz ON GND
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.5 : 1
Gain	3db
Power	10W

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	TNC (Male)
Antenna Dimensions	190mm \pm 5
Antenna Color	Black
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+80°C

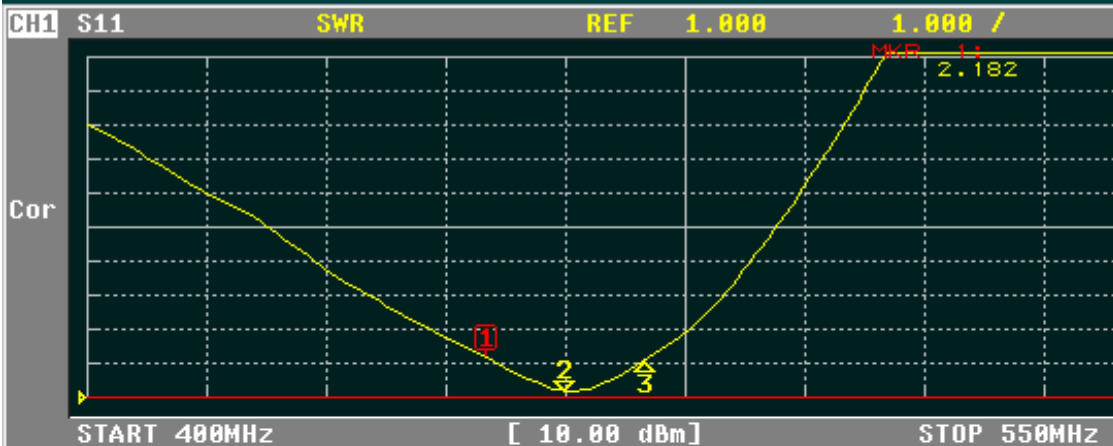
NO.	NAME	FINISH	Q, TY
01	Core tube	Black	01
02	TNC(Male)	Nickel plating	01



 Third angle projection	CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
SURFACE ROUGHNESS	$\frac{S}{\nabla}$	APPEARANCE						

2. Frequency



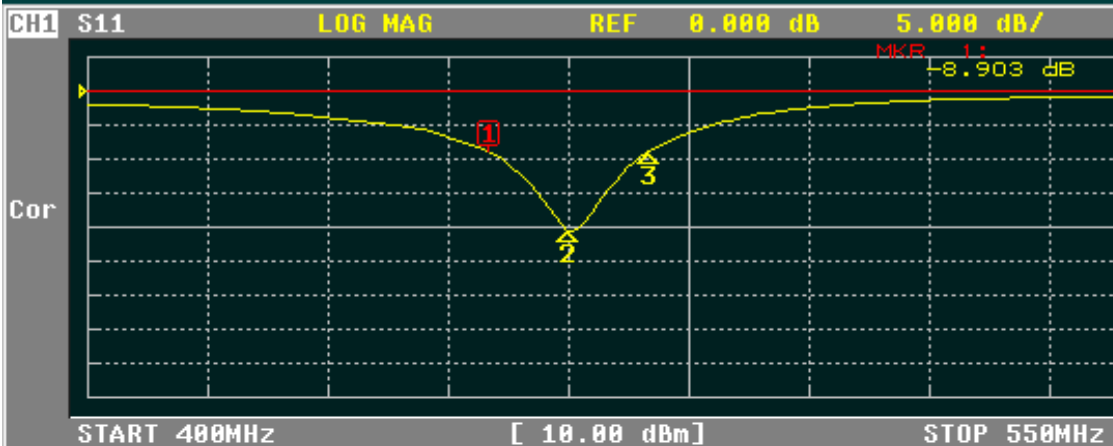


CH1 MARKER LIST

1:	450.000MHz	2.182
2:	460.000MHz	1.186
3:	470.000MHz	2.082
4:		
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

- 1] SWR
- 2] REAL
- 3] IMAG
- 4] PHASE
-∞, +∞
- 5] LOG MAG & PHASE
- 6] LOG MAG & DELAY
- 7] LIN MAG & PHASE
- 8] More 2/2



CH1 MARKER LIST

1:	450.000MHz	-8.903 dB
2:	460.000MHz	-20.469 dB
3:	470.000MHz	-8.990 dB
4:		
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

- 1] LOG MAG
- 2] PHASE
- 3] DELAY
- 4] SMITH (R+jX)
- 5] SMITH (G+jB)
- 6] POLAR
- 7] LIN MAG
- 8] More 1/2

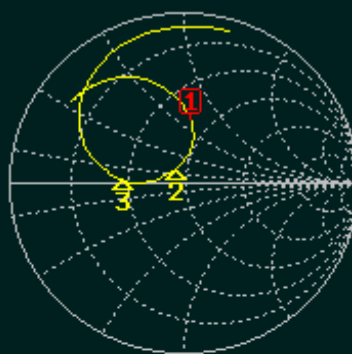
CH1 S11

SMITH(R+jX)

FS 1.000

MKR 1:
41.318 Ω

Cor



START 400MHz

[10.00 dBm]

STOP 550MHz

CH1 MARKER LIST

1:	450.000MHz	40.838 Ω	33.723 Ω	11.927nH
2:	460.000MHz	45.205 Ω	7.949 Ω	2.750nH
3:	470.000MHz	23.928 Ω	1.201 Ω	406.885pH
4:				
5:				
6:				
7:				
8:				
9:				
10:				

FORMAT

LOG MAG

PHASE

DELAY

SMITH
(R+jX)

SMITH
(G+jB)

POLAR

LIN MAG

More 1/2