

# 800Mhz Antenna

**MODEL: TH-86K**



## 1.. GENERAL DESCRIPTION

Model No	P/N
TH86K	TH86K-SMA(M)

Below is a table summarizing the antenna design specification.

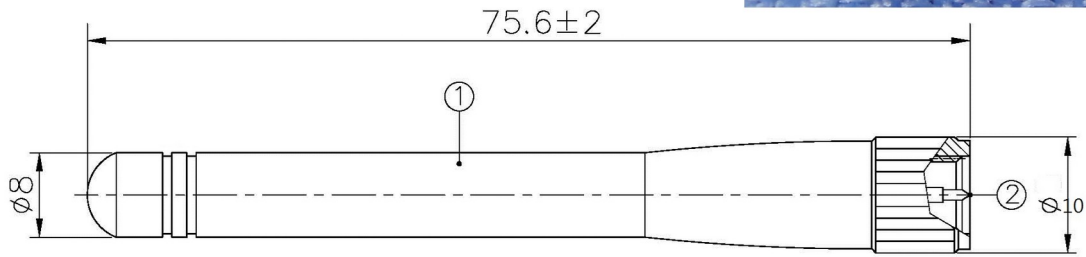
### 1.1 Electrical Properties


Parameter	Description
Frequency Band	800~830MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 /4λ
Admitted Power radiation	1W
V.S.W.R	2.0:1
Antenna Gain	0 dBi
Note: Gain includes the cable loss	

### 1.2 Mechanical Properties

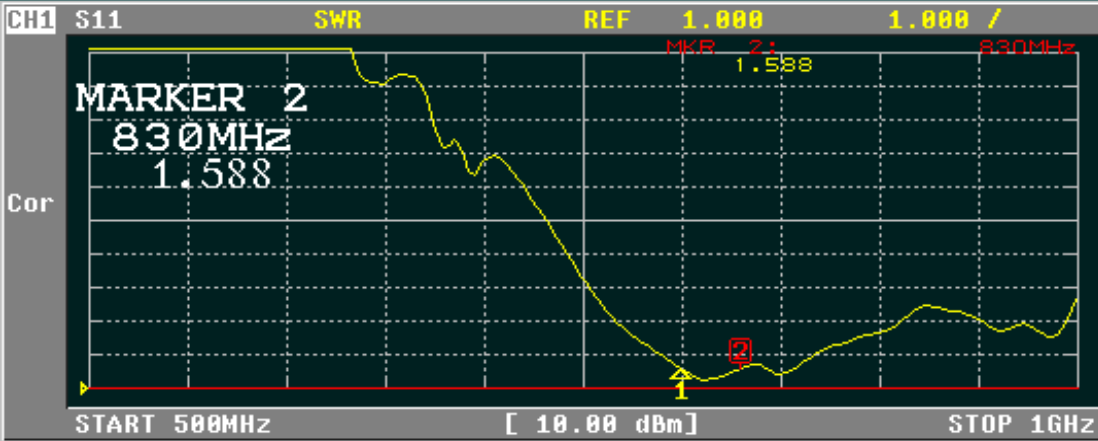
Parameter	Description
Antenna Type	External Antenna
Material	TPU
Touch Type	Screw Type
Connector Type	SMA 180° (Male)
Antenna Dimensions	75.6mm±2
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

NO.	NAME	FINISH	Q, TY
01	Core tube	Black	01
02	SMA-Connector(Male)	Chrom plating	01



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
				TH-86K	800~830Mhz	M/M		20230810
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	$\sqrt{R}$	APPEARANCE					





CH1 MARKER LIST

1:	800.000MHz	1.572
2:	830.000MHz	1.588
3:		
4:		
5:		
6:		
7:		
8:		
9:		
10:		

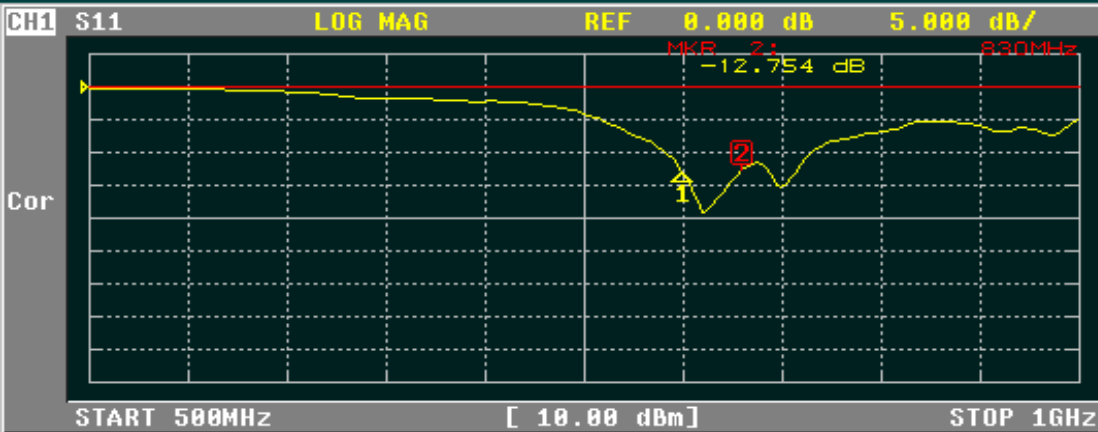
DISPLAY

DISPLAY DATA 1

DISPLAY MEMORY 2

DISPLAY DATA&MEM 3

Return 8



CH1 MARKER LIST

1:	800.000MHz	-12.824 dB
2:	830.000MHz	-12.754 dB
3:		
4:		
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

LOG MAG 1

PHASE 2

DELAY 3

SMITH (R+jX) 4

SMITH (G+jB) 5

POLAR 6

LIN MAG 7

More 1/2 8



CH1 MARKER LIST

1:	800.000MHz	63.688 Ω	21.935 Ω	4.363nH
2:	830.000MHz	39.872 Ω	-18.421 Ω	10.409pF
3:				
4:				
5:				
6:				
7:				
8:				
9:				
10:				

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