

Standard Gain Horn Antenna

WR42/17.6-26.7GHz/10dBi Typ, Gain

Model:TL-42SHA10

TL-42SHA10 is a standard gain horn antenna that operates from 17.6 GHz to 26.7 GHz. The antenna offers 10 dBi nominal gain. The input of this antenna is a WR42 waveguide with FBP220 anti-cocking flange. The standard gain horn is offered for antenna range calibration purpose mainly, but it can be also used for general purpose system set ups.

Features:

- Operating Frequency 17.6 to 26.7 GHz
- Gain: 10dBi Typ
- Good Impedance Match

Applications:

- Antenna Ranges
- Antenna Gain Measurements
- System Setups

Electrical Characteristics:

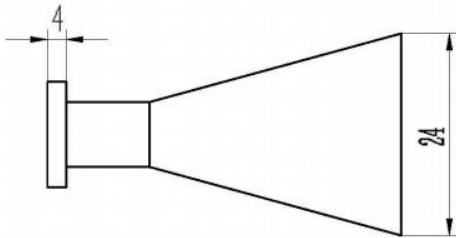
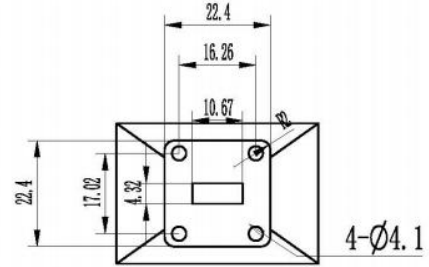
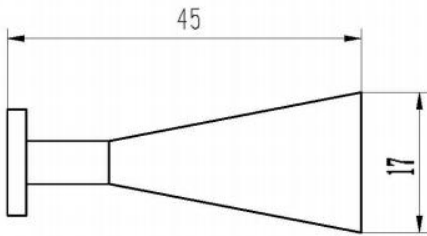

Parameter	Min	Typ	Max	Units
Frequency Range	17.6		26.7	GHz
Gain		10		dBi
Input VSWR			1.2	:1

Environmental And Physical Characteristics:

Description	Parameter	Units
Material	Copper	
Finish	Acid passivation, Spray black paint	
Connectors	WR42	
Size	45*24*17	mm

Outline Drawing:

Unit:mm

ESD Protection: Strictly adhere to ESD precautions to prevent electrostatic damage.

Ordering Information:

Base Number	Description	Revision
TL-42SHA10	Standard Gain Horn Antenna, 17.6-26.7GHz, Gain: 10dBi Typ.	Rev.1.0