

SWA-KU360 V1



SWA-Ku360v1 is omni Slotted Waveguide Antenna

It is designed for Ku-band with antenna aperture of 360° and linear polarization

Beam (H): 360°; Beam (V): 9°

Gain: 13 dBi

SWA-Ku360v1 is Ku-band omni slotted waveguide antenna designed for MVDS / MMDS broadcasting systems. SWA-Ku360v1 has 360 deg radiation pattern, high gain of 13dBi and wide frequency range of 10 – 15 GHz. SWA-Ku360v1 has compact dimensions, minimal visibility and minimum windage characteristics. Signal transmitted by SWA-Ku360v1 can be received by typical Ku-band satellite dish and LNB.

Key features:

- Omnidirectional: 360-degree radiation pattern
- High gain: 13 dBi
- Full Ku-band covering
- Light weight
- Compact size

Main functions:

- Transmit Ku-band signals
- Applied as a part of broadcasting station, repeater and interactive microwave system

Parameter	Value
Frequency range , GHz	10.0-15.0 (any 800MHz of this range)
Gain , dBi, at least	13
Gain variation in the aperture , dB, not more	±2
VSWR , max	2
Polarization	Linear, horizontal, vertical (by order)
Cross-polarization , dB, not less	25
HPBW:	
@horizontal	360°
@vertical	9°
Input power , W, up to	20
Waveguide	WR-75 flange
Operating temperature , ° C	-40 ... +80
Humidity	100% @ 25°C
Dimensions , mm, not more	250x60x60
Weight , kg, not more	1
Mount	Mounting on a vertical pipe with a diameter of 45mm
Casing material	dust/moisture proof