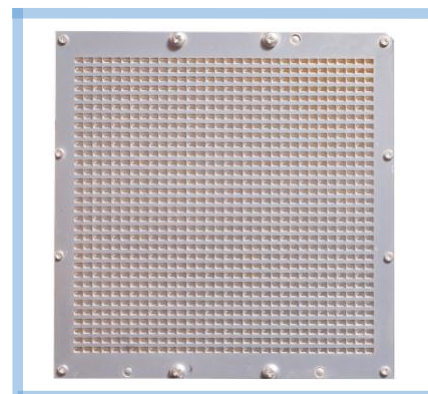


# Waveguide slot antenna

## 154GHz-172GHz

### DESCRIPTION

Using waveguide gap antenna design to achieve reduction in antenna thickness and volume. Lightweight with excellent stability and performance. Application areas include digital microwave communication.



### FEATURE

- Low profile
- Easy integration
- Robust

### APPLICATIONS

- WLAN/WiMAX application
- Small and micro base stations
- Satellite

### ELECTRICAL DATA

Parameter	Details
Frequency (GHz)	154-172
VSWR	1.75
Gain (dBi)	38
3dB Beamwidth (h) (°)	1.8
3dB Beamwidth (v) (°)	1.9
Front to back ratio (dB)	40
Co/Crosspolar ratio (dB)	-40
Sidelobes (h)	ESTI-II
Sidelobes (v)	ESTI-II
Polarization	linear

### MECHANICAL DATA

Parameter	Details
Dimensions	59.6mm(L) × 59.6mm(W) × 9mm(H)
Weight	0.08
Connector	WR-06

### ENVIRONMENTAL DATA

Parameter	Details
Environment	Indoor/outdoor
Operation temperature (°C)	-45~+85
ROHS 2011/65/EU	compliant