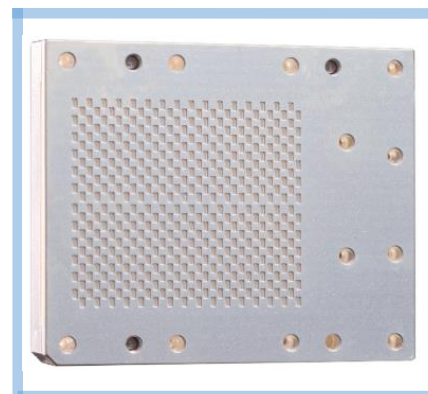


Waveguide slot antenna

140GHz-148GHz

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.



FEATURES

- Low profile
- Easy integration
- Robust

APPLICATIONS

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

ELECTRICAL DATA

Parameter	Details
Frequency (GHz)	140-148
VSWR	1.55
Gain (dBi)	32
3dB Beamwidth (h) (°)	3.8
3dB Beamwidth (v) (°)	3.8
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	52mm(L) × 43mm(W) × 7.9mm(H)
Weight	0.04
Connector	WR-06

ENVIRONMENTAL DATA

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