ZDTECH

Ka-band 256 Elements 2D Expandable Phased Array Antenna Tx Subarray

Product Features:

●Independent beam control and switching

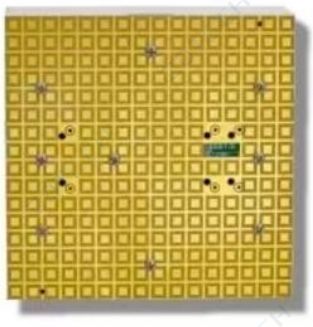
●2D expandability to form large arrays

●Subarrays support 2D scanning

●Beam supports circular and linear polarization switchable

Specifications:

Item	Parameters
Working Frequency	27.5GHz ~30GHz
Polarization	Full Polarization, switchable
Scanning Range	±60°
EIRP	≥67dBm @27.5GHz(Normal Direction)
Scanning Loss@27.5GHz	Off-axis Angl30°: ≤2dB Off-axis Angl45°: ≤4dB Off-axis Angl60°: ≤6dB
Axial Ratio@27.5GHz	Normal Direction:≤2dB Off-axis Angl30°: ≤4dB Off-axis Angl45°: ≤5dB Off-axis Angl60°: ≤6dB
Power Supply	12V
Power Consumption	≤130W
Working Temperature	-40℃~+70℃
Storage Temperature	-40℃~+70℃
Dimensions	73.6mm*73.6mm*30mm



ZDTECH

Ka-band 256 Elements 2D Expandable Phased Array Antenna Tx Subarray

Product Features:

- Independent beam control
- Subarrays can be infinitely expanded in two dimensions to form large arrays
- Subarrays support electronic scanning
- Receiving beam supports circular and linear polarization switchable

Specifications:

Item	Parameters
Working Frequency	17.5GHz ~21.2GHz
Polarization	Full Polarization, switchable
Scanning Range	±60°
G/T	≥3.11dB/K @20.2GHz(Normal Direction)
Scanning Loss@20.2GHz	Off-axis Angl30°: ≤2dB Off-axis Angl45°: ≤3dB Off-axis Angl60°: ≤5dB
Axial Ratio@20.2GHz	Normal Direction:≤2.5dB Off-axis Angl30°: ≤4dB Off-axis Angl45°: ≤5dB Off-axis Angl60°: ≤6dB
Power Supply	28V
Power Consumption	≤34W
Working Temperature	-40℃~+70℃
Storage Temperature	-40℃~+70℃
Dimensions	118.4mm*118.4mm*20mm