Omnidirectional Antennas
QOD

Characteristics

- Offered over 18-110 GHz
- Uniform 360 degree Coverage in Azimuth
- Narrow Elevation Beam with Moderate Gain

Product Description

QuinStar series QOD Omnidirectional Antennas provide a uniform 360 degrees coverage in the azimuth plane and a relatively narrower beam in elevation plane. They offer a reasonable gain over approximately 5% bandwidth. The elevation beamwidth can be designed to be in the 8 to 30 degree range to suit most common applications. The beam can be pointed up or down with respect to the horizon, if desired. An integral radome is normally provided with these Omnidirectional Antennas. Custom designs to suit specific needs can be readily produced and fully tested. Typical interface is a standard rectangular waveguide, with options for circular waveguide. Antennas with circular polarization are also available as custom products. QuinStar also offers a wide range of Sectoral Coverage Antennas

Omnidirectional Antennas find applications in millimeter wave communications, EW/ESM and sensing applications.

Specifications

Performance Parameter	Typical Range
Frequency Range	18-110 GHz
Bandwidth	5% typical
Elevation Beam Angle Range (Half Power Full Width)	Between 8 and 30 degrees
Gain Range (for Elevation Beam Range)	14 to 5 dB

Ordering Information

Model Number **QOD -** **AB CD E F**

AB — center frequency in GHz

CD — beam width in elevation plane, in degrees

E — waveguide band and type

K = K-band	E = E-band
A = Ka-band	W = W-band
Q = Q-band	F = F-band
U = U-band	0 = Circular Waveguide
V = V-band	X = Coaxial Interface

F — options

0 = Standard Product, No options
Z = Special

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