

Epsilon 10 Microdesign

OMxxyy.2

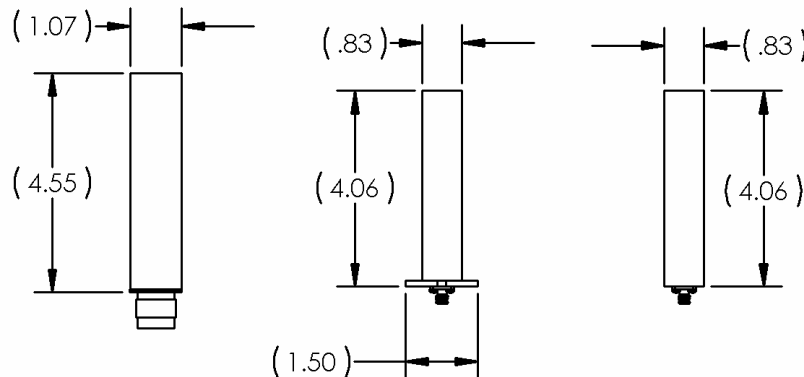
L-Ka Band 2 dB Linear

1.7 - 15 GHz Omni Directional Antennas
Ground

The OMxxyy.2 is an omnidirectional 2 dB dipole providing 2-3 dBi gain on the horizon in $\pm 20\%$ segments of the 1.7 – 15 GHz band. The vertical linear polarization pattern provides a null on boresight and a wide beamwidth maxima on the horizon. Being an omnidirectional, no azimuth adjustment is required to maintain its specified gain. Its wide elevation beamwidth minimizes the need for elevation adjustment. N version and lipstick versions are connector mount. Flange version provides 3 point machine screw mount. These antennas are designed for surveillance and ground applications.

SPECIFICATIONS:

OM1727.2	1.7 – 2.7 GHz
OM3040.2	3.0 -- 4.0 GHz
OM4060.2	4.0 – 6.0 GHz
OM6080.2	6.0 – 8.0 GHz
OM8011.2	8.0 --11.0 GHz
OM15000.2	12.0-16.0 GHz
Gain:	2 - 3 dBi
HPBW E-plane:	78 - 60°
Polarity:	Linear, Vertical
VSWR	< 1.7 : 1
Power:	50 W
Weight:	2 - 6 Oz
Connector:	N(m) or SMA(f)
Rating:	Ground
Finish:	Polyurethane White
Mount	3 x #6 or via connector



N(m) Version
OM1727.2N



Flange Ver
OM1727.2



Lipstick Ver
OM1727.2