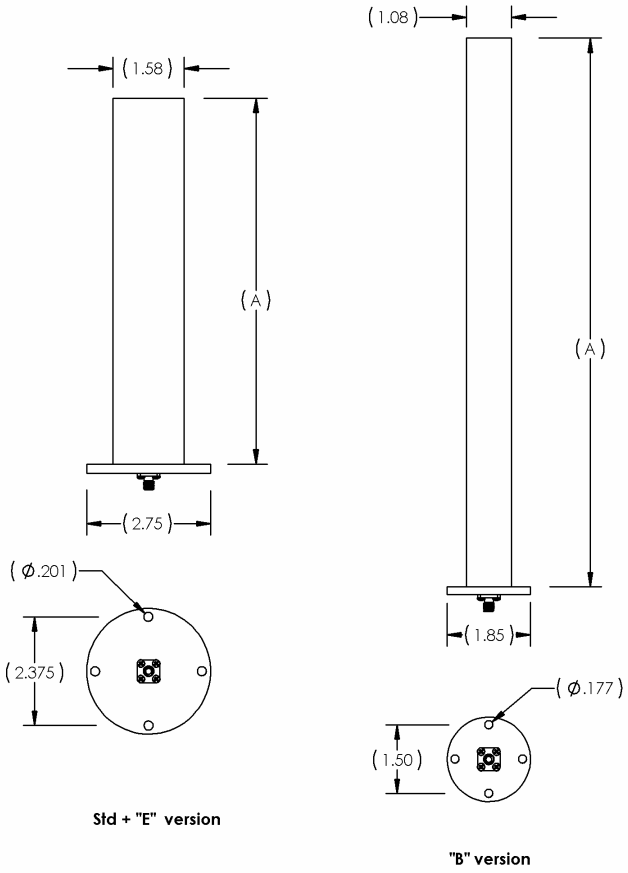
Epsilon 10 Microdesign

OMxxyy.xU/B/E

L-S Band Linear
1.7 - 3.0 GHz Omni Directional Antennas
Airborne

The OMxxyy.x is an omnidirectional colinear dipole array providing 4/6/9/11 dBi gain on the horizon in ±20% bandwidths of the 1.7 – 3.0 GHz band. The vertical linear polarization pattern provides a null on boresight and a maxima on the horizon, making it suitable for longer range horizontal paths. Being an omnidirectional, no azimuth adjustment is required to maintain its specified gain. These antennas are designed for airborne, helicopter(UE ver), and ground applications.

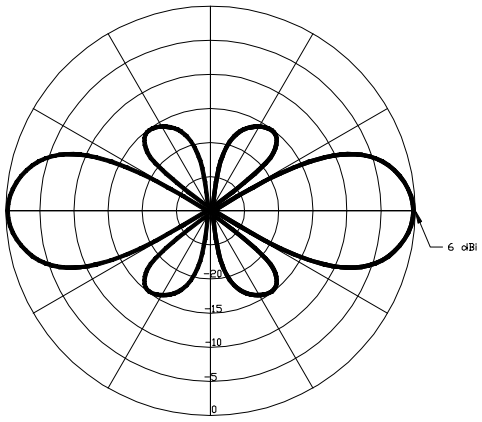
SPECIFICATIONS:	
OM1721.4/6/9/11U	1.70 – 2.10 GHz
OM2025.4/6/9/11U	1.99 – 2.50 GHz
OM2227.4/6/9/11U	2.15 – 2.70 GHz
OM2430.4/6/9/11U	2.40 – 3.00 GHz
Gain:	4/6/9/11 dBi nominal
HPBW E-plane:	50/30/15/8° nominal
Polarity:	Linear, Vertical
VSWR	< 1.7:1
Power:	50 Watts
Weight:	5 – 32 Oz
Connector:	N(f) or SMA(f)
Rating:	Airborne
Construction:	G10 Rad /Alum U base
Finish:	Polyurethane white
Mount	4 x #10 or #8 PPMS
Versions:	U = Unibody B =1”rad
U version is standard	E = Extend Length



Std + "E" version

"B" version

A DIMENSION	
OM1721.4/6/9/11 U/B	12.0 / 14.75 / 38 /
OM2025.4/6/9/11 U/B	10.75 / 12.65 / 33 /
OM2227.4/6/9/11 U/B	9.75 / 11.55 / 30 /
OM2430.4/6/9/11 U/B	8.5 / 10.35 / 27 /
OMxxyy.4/6/9/11 UE	20.0 min



ELEVATION PATTERN