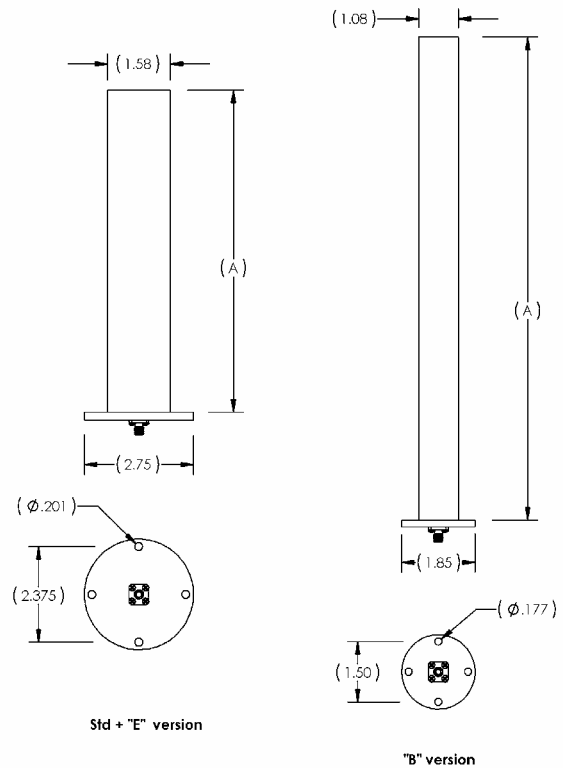




Epsilon 10 Microdesign

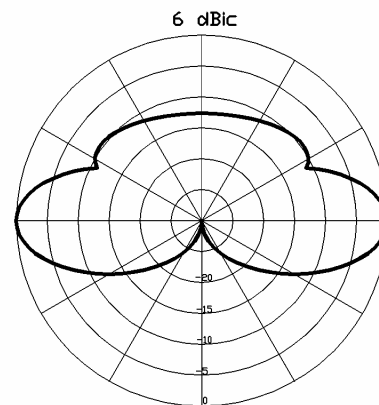
OMxxyyR.xU/B/E 1.7 – 17 GHz RHCP OMNIS Airborne

The OMxxyyR is a wide band RHCP omni directional antenna providing maximum gains on the horizon with null (Quad) on axis or -10 dB (Bif) on axis. Originally designed for spaceborne communications systems requiring low angle omnidirectional CP coverage, its characteristics adapt well to modern earth based links using CP omni to CP omni antennas. This antenna is designed for space, airborne, helicopter (UE ver) and ground applications. U=unibody ver is std, B=1 inch rad, E=extended length.



SPECIFICATIONS:	
OM1723R.2/4/6/9U	1.7 -2.3 GHz
OM2025R.2/4/6/9U	2.0 - 2.5 GHz
OM2530R.2/4/6/9U	2.5 - 3.0 GHz
OM3040R.2/4/6/9UB	3.0 - 4.0 GHz
OM4060R.2/4/6/9UB	4.0 - 6.0 GHz
OM6080R.2/4/6/9UB	6.0 - 8.0 GHz
OM8010R.2/4/6/9UB	8.0 - 10 GHz
OM1416R.2/4/6/9UB	14 - 16 GHz
Gain:	2 / 4 / 6 / 9 dBic
HPBW	78 / 50 / 30 / 15°
Polarity	RHCP
Axial Ratio	< 2 dB
VSWR	< 1.7:1
Power	50 Watts
Connector	SMA(f) / N(f)
Rating	Space / Airborne
Construction	G10 Rad/Alum U base
Finish	Polyurethane white
Mount	4 x #10 or #8

A DIMENSION	
OM1723R.2/4/6/9U	11 / 16 / 30 /
OM2025R.2/4/6/9U	10 / 15 / 25 /
OM2530R.2/4/6/9U	9 / 13 / 22 /
OM3040R.2/4/6/9UB	7 / 10 / 17 /
OM4060R.2/4/6/9UB	6 / 8 / 14 /
OM6080R.2/4/6/9UB	5 / 7 / 10 /
OM8010R.2/4/6/9UB	5 / 7 / 10 /
OM1416R.2/4/6/9UB	3 / 4 / 6
OMxxyyR.6UE	20



ELEVATION PATTERN, 6 dB VER