

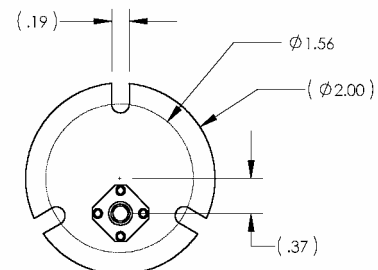
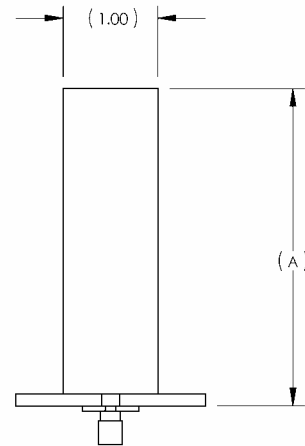


Epsilon 10 Microdesign

HExyyR.12/16

4.0 - 15.5 GHz RHCP Helical Antennas

The HExxyR.12/16 is a RHCP helical array with G10 radome cover, providing 12 or 16 dB directional gain in 20% bandwidths across the 4 -15 GHz band.. The Right Hand Circular Polarization pattern provides a maxima on boresight without nulls and a symmetrical beamwidth. Since the helical antenna is a non-resonant structure, it can achieve wide bandwidths, thereby providing multiband versatility. Both lightweight and small, this antenna is ideally suited for ENG and surveillance applications.



SPECIFICATIONS	
HE4060R.12	4.0 - 6.0 GHz
Dim A	4 in
HE6080R.12	6.0 - 8.0 GHz
Dim A	3.3 in
HE8090R.12	8.0 - 9.0 GHz
Dim A	3 in
HE12-15R.12	12 - 15 GHz
Dim A	3.25 in
Gain: 12 dBic version	HPBW: 40°
Gain: 16 dBic version	HPBW: 33°
Axial Ratio	2 dB max
First Sidelobe	12 dBc
Power	20W cw
Weight	3 oz
Finish	White Polyurethane
Mount	3 x #8 on 1.56" cir