

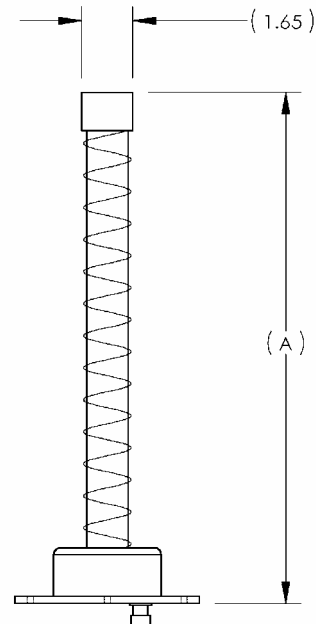


# Epsilon 10 Microdesign

## HE1727R.xx

### 1.7 - 2.7 GHz Bare RHCP Helical Antennas

The HE1727R.xx is a RHCP helical array providing 11, 14, or 16 dB directional gain in the 1.7-2.7 GHz band. This version is provided bare, ie. without radome cover, making it lower in cost and weight. 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. This is a tough and durable antenna, ideally suited for ENG live remote applications.



SPECIFICATIONS	
HE1727R.xx	1.7 - 2.7 GHz
Gain: 11 dBic Dim A	HPBW: 57° 9.0 in
Gain: 14 dBic Dim A	HPBW: 40° 14.0 in
Gain: 16 dBic Dim A	HPBW: 32° 23.0 in
Axial Ratio	2 dB max
First Sidelobe	12 dBc
Power	40W cw
Weight	27 oz max
Finish	White Polyurethane
Mount	4 x #7 on 5.0" cir

