

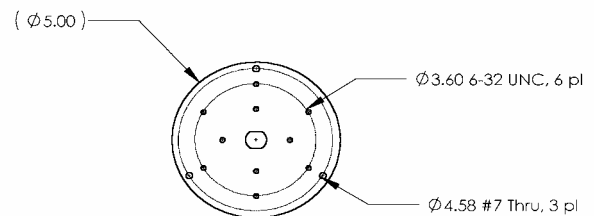
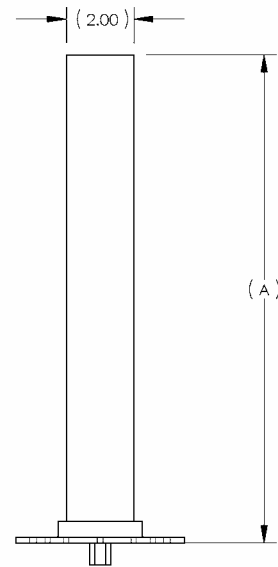


# Epsilon 10 Microdesign

## HE1727R.xxR

1.7 -2.7 GHz RHCP Covered  
Helical Antennas

The HE1727R.xxR is a RHCP helical antenna providing 11, 14, or 16 dB directional gain in the 1.7-2.7 GHz band. This version is provided with a G10 radome cover and with connector centered on base. 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 and custom mount applications.



| SPECIFICATIONS         |   |
|------------------------|---|
| HE1727R.xxR            | 1.7 - 2.5 GHz                               |
| Gain: 11 dBic<br>Dim A | HPBW: 51°<br>10.0 in                        |
| Gain: 14 dBic<br>Dim A | HPBW: 38°<br>18.0 in                        |
| Gain: 16 dBic<br>Dim A | HPBW: 32°<br>25.0 in                        |
| Axial Ratio            | 2 dB max                                    |
| First Sidelobe         | 12 dBc                                      |
| Power                  | 40W cw                                      |
| Weight                 | 32 oz                                       |
| Finish                 | White Polyurethane                          |
| Mount                  | 3 x #7 on 4.58" cir<br>6 x 6x32 on 3.6" cir |