

# Product **Datasheet**

## **IC-518HRN**



## **HORN ANTENNAS**

Dual Polarity High Performance HORN  
4.8 - 6.4 GHz, 18 dBi

Wide Band Operation  
Best Solution for PTMP in NOISY Environments  
Vertically and Horizontally Polarized





### Features:

Wide Band Operation  
Best Solution for PTMP in NOISY Environments  
Vertically and Horizontally Polarized

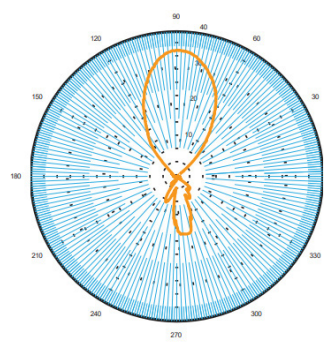
### Mechanical Specification

|                          |                               |
|--------------------------|-------------------------------|
| Size/Diameter:           | 180 mm                        |
| Weight(incl. bracket):   | 2.1 Kg                        |
| Wind Loading(Operating): | 160 Km/h                      |
| Wind Loading(Survival):  | 230 Km/h                      |
| Operating Temperature:   | -50°C to 70°C                 |
| Mounting Kit/Style:      | Included: Pole Mount          |
| Pole Diameter:           | 25-60 mm                      |
| Additional Features:     | Accurate Pan & Tilt alignment |

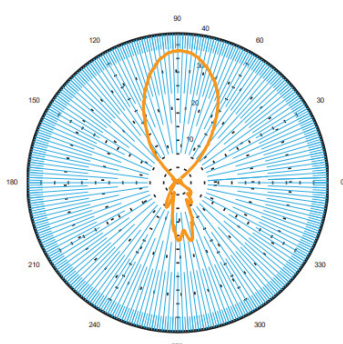
### Electrical Specification

|                         |                           |
|-------------------------|---------------------------|
| Frequency Range:        | 4800 - 6400 MHz           |
| Gain:                   | 18 dBi                    |
| 3dB Beamwidth:          | 30°(typ)                  |
| VSWR:                   | 1.3:1(typ)                |
| Impedance:              | 50 Ohms                   |
| Input Power:            | 100 W                     |
| Connector:              | 2 x N-Female              |
| Sidelobes:              | ETSI EN 302.326-3 DN1-DN5 |
| Front to Back Ratio:    | 25 dB                     |
| Cross Polarization:     | 25 dB (max), 30 (typ)     |
| Port to Port Isolation: | 32 dB (max), 45 (typ)     |

### 5.5 Ghz E-Plane and H of E-plane



### 5.5 Ghz H-Plane and E of H-plane



### Antenna Gain 4800-6100 MHz

