

# Offset Reflector Antenna Systems

Peak Antennas' offset reflector antenna system, comprising a 0.74m (2.4 foot) elliptical reflector with support metalwork and a selection of available feeds, is especially suitable for ENG vehicle applications.

The efficient elliptical design reflector features a rugged fibreglass construction with metallized front surface. The feedarm metalwork is a bent-up and welded stainless steel structure with white powder-coat paint finish.

A range of feedhorns is available - both single and dual band, with fixed or switched dual or quad polarization options. RF switching is all solid-state, utilising p-i-n diodes, eliminating mechanical relays.

## Reflector

- Elliptical, offset geometry

- 29" (736mm) width  
20.5" (520mm) height

## System Gains and Beamwidths

2.25GHz	21dBi	13deg az / 18deg el
2.50GHz	22dBi	11.5deg az / 16deg el
6.75GHz	29dBi	4.5deg az / 6 deg el

## Feeds

- 1.98-2.50GHz
- 2.30-2.70GHz
- 6.40-7.20GHz

- Return loss 14dB typ
- Power 10W
- RF connectors N socket
- Control connector KPT00E10-6P



## PEAK ANTENNAS

WWW.PEAKANTENNAS.COM

Peak Antennas LLC  
200 Main St., Unit 3A  
Monroe, CT 06468 USA  
Tel/Fax: 1 203 268 3688  
Email:MDPeakantennas@aol.com  
info@peakantennas.com

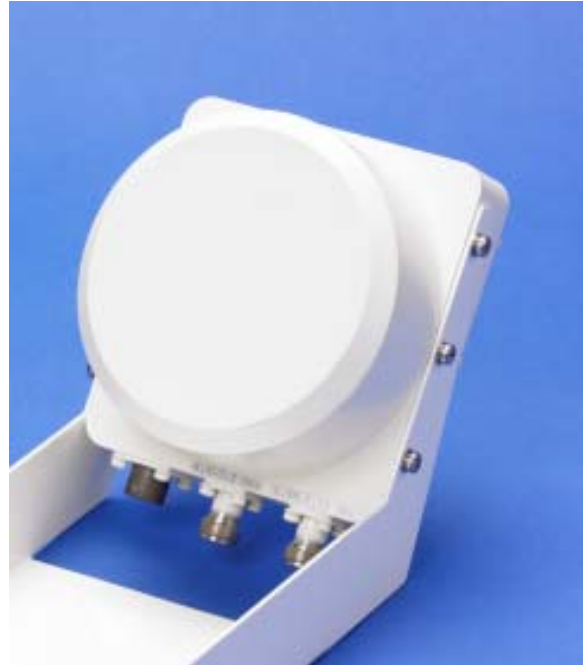
# Offset Reflector Antenna Systems

Designation	Description
ReflectorR2	0.74m x 0.52m (29" x 20.5") elliptical reflector (with feedarm metalwork)
R2Feed225	1.98-2.50 GHz fixed polarization feed (specify poln.)
R2Feed225-D	1.98-2.50 GHz dual polarization feed (specify H/V or RHCP/LHCP)
R2Feed225-Q	1.98-2.50GHz quad polarization feed
R2Feed675	6.4-7.2 GHz fixed polarization feed (specify poln.)
R2Feed675-D (or Q)	6.4-7.2 GHz polarization options as above
R2Feed225/675	1.98-2.50 GHz / 6.4-7.2 GHz dual band feed (specify fixed poln.)
R2Feed225/675-D-D	1.98-2.50 GHz /6.4-7.2 GHz dual band, dual polarization feed
R2Feed225/675-Q-Q	1.98-2.50 GHz /6.4-7.2 GHz dual band, quad polarization feed

Antenna in-situ on truck, stowed.



Dual-band, quad-polar solid-state switched feed.



## PEAK ANTENNAS

[WWW.PEAKANTENNAS.COM](http://WWW.PEAKANTENNAS.COM)

Peak Antennas LLC  
200 Main St., Unit 3A  
Monroe, CT 06468 USA  
Tel/Fax: 1 203 268 3688  
Email: [MDPeakantennas@aol.com](mailto:MDPeakantennas@aol.com)  
[info@peakantennas.com](mailto:info@peakantennas.com)