



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

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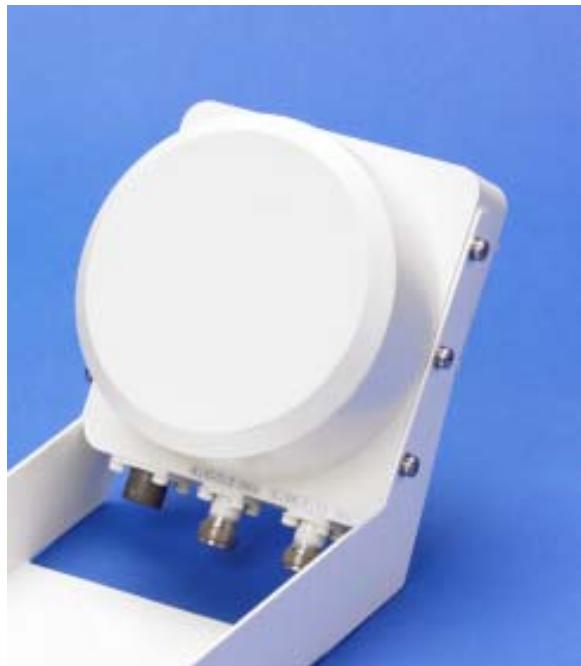
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Designation	Description
ReflectorR2	0.74m x 0.52m (29" x 20.5") elliptical reflector (with feedarm metalwork)
R2Feed225	1.98-2.50 GHz fixed polarization feed (specify poln.)
R2Feed225-D	1.98-2.50 GHz dual polarization feed (specify H/V or RHCP/LHCP)
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.



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