

## APO-75 Offset Parabolic Antenna

SVP Broadcast Microwave offset reflector antenna system, comprising a 0,74m elliptical reflector with support metalwork and a selection of available feeds, is specially suitable for ENG vehicle as well as for Central Receiver applications.

The efficient elliptical design reflector features a rugged fibreglass construction with metalized 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. There are also dual polarity feedhorns, controllable from the HDT-70 transmitter through a polarity control connector situated in the feeder. The available polarities are: vertical, horizontal and quad.



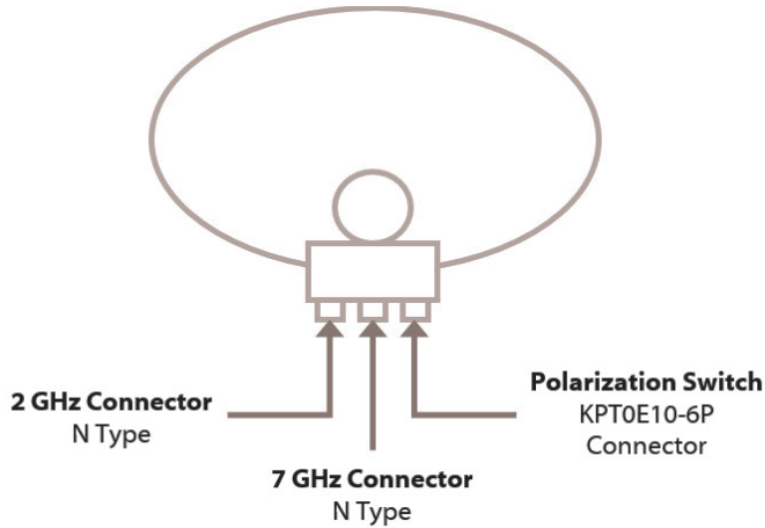
## Characteristics

<b>Reflector Geometry:</b>	Elliptical, offset geometry
<b>Reflector Dimensions:</b>	29 inches (736 mm) width, 20.5 inches (520 mm) height
<b>Gains and Bandwidths:</b>	<p><b>1.98 - 2.50 GHz:</b> Gain: 21 dBi Bandwidth: 13° az / 18° el</p> <p><b>2.3 - 2.7 GHz:</b> Gain: 22 dBi Bandwidth: 11.5° az / 16° el</p> <p><b>4.4 - 5.0 GHz:</b> Gain: 26.5 dBi Bandwidth: 7° az / 8.5° el</p> <p><b>6.4 - 7.2 GHz:</b> Gain: 29 dBi Bandwidth: 4.5° az / 6° el</p>
<b>Return Loss:</b>	14 dB typ
<b>Max. Power:</b>	10 W
<b>RF Connectors:</b>	N Female
<b>Feeder Options:</b>	<p><b>Single band (1.98 - 2.50 GHz):</b> Fixed polarization feed (to specify poln.) Dual polarization feed (to specify H/V or RHCP/LHCP)</p> <p><b>Single band (6.4 - 7.2 GHz):</b> Fixed polarization feed (to specify poln.) Dual polarization options as above</p> <p><b>Dual band (1.98 - 2.50 GHz / 6.4 - 7.2 GHz):</b> Fixed polarization feed (to specify fixed poln.) Dual polarization feed Quad polarization feed</p>



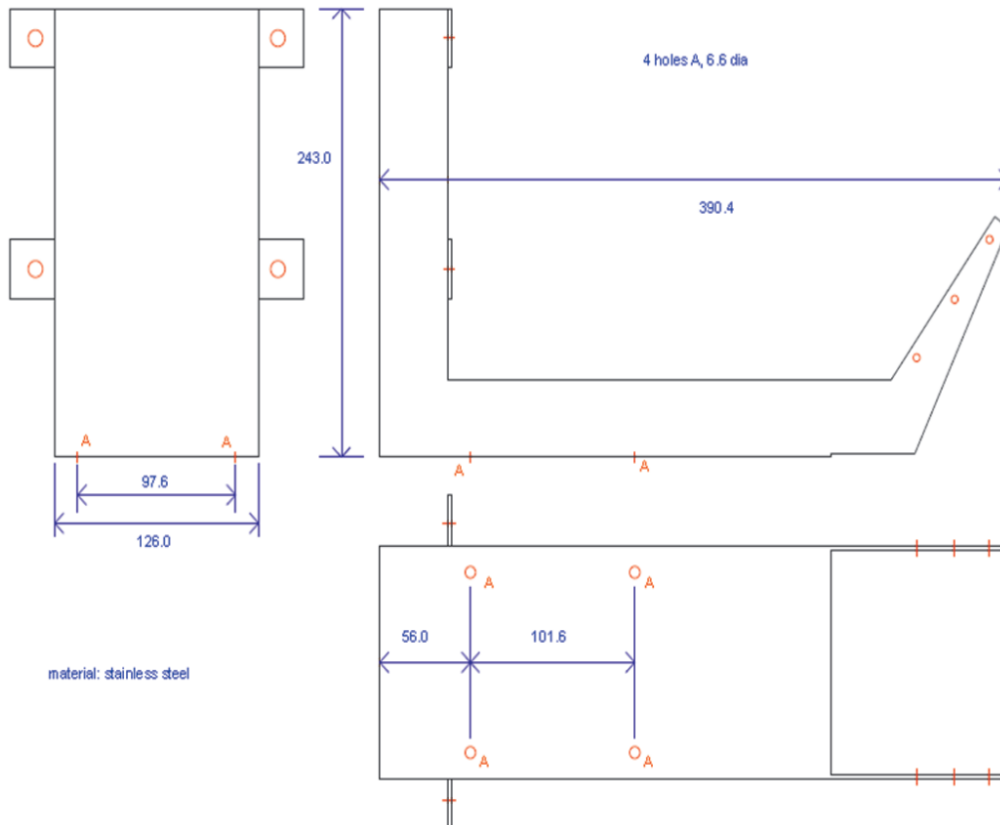
\* For other frequency bands, please contact SVP: [info@svpbm.com](mailto:info@svpbm.com)

## Example of Quad-Polarization Feed



KPT0E10-6P Pinout Table	
Pin	Function
A	Vertical
B	LHCP
C	Ground
D	Not used
E	RHCP
F	Horizontal

## Drawing: Mounting bracket / Feedarm for reflector



Design and specifications are subject to changes without prior notice. 01/19