

# 75cm Antenna with 2 Port Ku band Linear Tx Rx Cross Pol Feed Assy



**VKG-075KUL-TX**



Your Trusted Source for Satellite Equipment

- 75cm Ku-Band VSAT Antenna
- Tx/Rx Feed Assembly Included
- Bulk Shipped or Individually Boxed
- Fine Elevation and Azimuth Adjustment

	RECEIVE	TRANSMIT
Frequency (GHz)	10.70 - 12.75	13.75 - 14.5
Antenna Gain (dBi) @midband	37.9	39.5
3dB Beamwidth	2.2°	1.9°
Cross-Pol Isolation: w/in 1dB beam width	>25dB	>30dB
VSWR	1.5:1	1.3:1
Feed Interface	WR75 Cover Flange	WR75 Cover Flange
Sidelobe Envelope		
$100 \lambda / D^\circ \leq \theta \leq 7^\circ$	29 – 25 Log $\theta$ dBi	29 – 25 Log $\theta$ dBi
$7^\circ < \theta \leq 9.2^\circ$	8 dBi	8 dBi
$9.2^\circ < \theta \leq 48^\circ$	32 – 25 Log $\theta$ dBi	32 – 25 Log $\theta$ dBi
$\theta > 48^\circ$	-10 dBi (averaged)	-10 dBi (averaged)
MECHANICAL SPECIFICATIONS		
Antenna Optics	Prime Focus Offset Feed	
Reflector Material	Single-piece Steel Refector	
Mount Type	Elevation over Azimuth	
Azimuth Alignment	0° - 360° Course and Fine Adjustment	
Elevation Alignment	5° - 90° Continuous Fine Adjustment	
Mast Pipe Size	60mm	
ENVIRONMENTAL SPECIFICATIONS		
Operational Wind Loading	88km/hr (55mph)	
Survival wind load	160 km/hr (100mph)	
Operational Temperature	-40°C - +60°C	
Humidity	0 - 100%	

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Specifications are subject to change without notice

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