

98cm Antenna with 2 Port Ku band Linear Tx Rx Cross Pol Feed Assy



VKG-098KUL-TX



Your Trusted Source for Satellite Equipment

- **98cm Ku-Band VSAT Antenna**
- **Tx/Rx Feed Assembly Included**
- **Bulk Shipped or Individually Boxed**
- **Fine Elevation and Azimuth Adjustment**

| | RECEIVE | TRANSMIT |
|--|--------------------------|--------------------------|
| Frequency (GHz) | 10.7 - 12.75 | 13.75 - 14.5 |
| Antenna Gain (dBi) @midband | 40.2 | 41.5 |
| 3dB Beamwidth | 1.8° | 1.6° |
| Cross-Pol Isolation: w/in 1dB beamwidth | >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 θ dBi | 29 – 25 Log θ dBi |
| $7^\circ < \theta \leq 9.2^\circ$ | 8 dBi | 8 dBi |
| $9.2^\circ < \theta \leq 48^\circ$ | 32 – 25 Log θ dBi | 32 – 25 Log θ 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 | 10° - 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 |
| Survival Temperature | -40° - +71°C) |
| Humidity | 0 - 100% |

VSAT_VKG-098KUL-TX_REV005

Specifications are subject to change without notice

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