

VSAT KU ANTENNA – 1.2m Ku Tx/Rx Antenna

Product code: E1201V

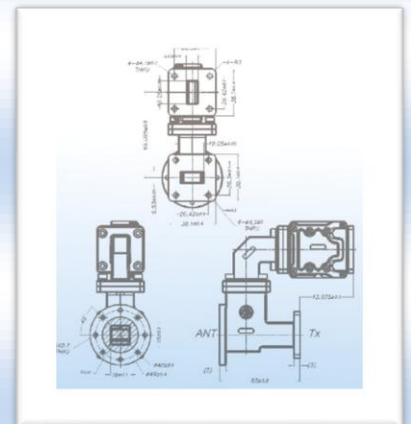
- Exceptional load resistance with a strong dish supporting structure.
- Manufactured from galvanized steel and finished with a powder coating for superior corrosion resistance
- All the hardware accessories have JS anti-corrosion finish for a longer life span.
- Fitted with adjustable EL/AZ mounting bracket to suit various sizes of mounting poles.



FEED HORN



KU-OMT



OMT -DIAGRAM

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Technical Specification

| | | |
|--------------------------------|--|--|
| Reflector | Type | Elliptical |
| | Offset Angle | 18.29° |
| | Physical Size (cm) | Short Axis 118.4cm, Long Axis 122.1cm |
| | Aperture Diameter (cm) | 117.2 |
| | F/D Ratio | 0.75 |
| | Focus Length (mm) | 877.5 |
| Transmitter (TX) | Operation Frequency | 13.75 ~ 14.5 GHz |
| | Efficiency | 70 % Min. |
| | Ku-band Gain | 43.1 dBi @ 14 GHz |
| | 3 dB Beam width | 1.2° Max. |
| | Cross Polarization on Axis within 1 dB Beam width | 30 dB Min. |
| Receiver (RX) | Operation Frequency | 10.70 ~ 12.75 GHz |
| | Efficiency | 70 % Min. |
| | Ku-band Gain | 41.6 dBi @ 12.45 GHz |
| | 3 dB Beam width | 1.4° Max. |
| | Cross Polarization on Axis within 1 dB Beam width | 25 dB Min. |
| TX / RX Side Lobe Level | 29-25 log θ dB $2.2^\circ < \theta \leq 7^\circ$, 8 dB $7^\circ < \theta \leq 9.2^\circ$, 32-25 log θ dB $9.2^\circ < \theta \leq 19.1^\circ$, 0 dB $19.1^\circ < \theta \leq 180^\circ$ | |
| Mounting | Mounting Type | Pole Mount |
| | Adjustment Type | AZ / EL Adjustable |
| | Material | Galvanized Steel |
| | Finish | Polyester Coating |
| | Color | Cool grey / Dark grey |
| | Elevation Range | 5° ~ 90° |
| | Azimuth Range | 0° ~ 360° |
| | Pole Diameter Acceptable (mm) | Ø 76 (Ø 73 Optional) |
| Environment | Operational Winds | 55 mph |
| | Survival Winds | 100 mph |
| | Ambient Temperature | -40°C~+60°C |
| | Relative Humidity | 0 ~ 100 % |
| Feedhorn Clamp | Maximum Loading | 2.3kg |