

VSAT KU ANTENNA – 1.2m Ku Tx/Rx Antenna

Product code: E1201V

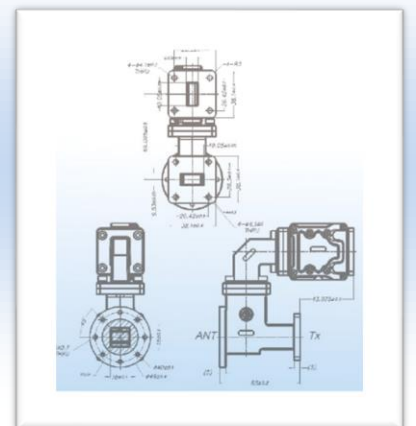
- Exceptional load resistance with a strong dish supporting structure.
- Manufactured from galvanized steel and finished with a powder coating for superior corrosion resistance
- All the hardware accessories have JS anti-corrosion finish for a longer life span.
- Fitted with adjustable EL/AZ mounting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



FEED HORN



KU-OMT



OMT -DIAGRAM

Technical Specification

| | | |
|--------------------------------|--|--|
| Reflector | Type | Ellipti |
| | Offset Angle | 18. |
| | Physical Size (cm) | Short Axis 118.4cm, Long |
| | Aperture Diameter (cm) | 11 |
| | F/D Ratio | 0. |
| | Focus Length (mm) | 87 |
| Transmitter (TX) | Operation Frequency | 13.75 ~ 14.5 |
| | Efficiency | 70 % |
| | Ku-band Gain | 43.1 dBi @ 14 GHz |
| | 3 dB Beam width | 1.2° |
| | Cross Polarization on Axis within 1 dB Beam width | 30 dB Min. |
| Receiver (RX) | Operation Frequency | 10.70 ~ 12.75 GHz |
| | Efficiency | 70 % |
| | Ku-band Gain | 41.6 dBi @ 12.45 GHz |
| | 3 dB Beam width | 1.4° |
| | 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 |
| | Adjustment Type | AZ / EL |
| | Material | Galvanized |
| | Finish | Polyester |
| | Color | Cool grey / Dark grey |
| | Elevation Range | 5° ~ |
| | Azimuth Range | 0° ~ |
| | Pole Diameter Acceptable (mm) | \varnothing 76 (\varnothing 73 Optional) |
| Environment | Operational Winds | 55 |
| | Survival Winds | 100 |
| | Ambient Temperature | - |
| | Relative Humidity | 0 ~ 100 |
| Feedhorn Clamp | Maximum Loading | 2. |