

## VSAT KU ANTENNA – 1.2m Ku Tx/Rx Antenna

Product code: E1201V

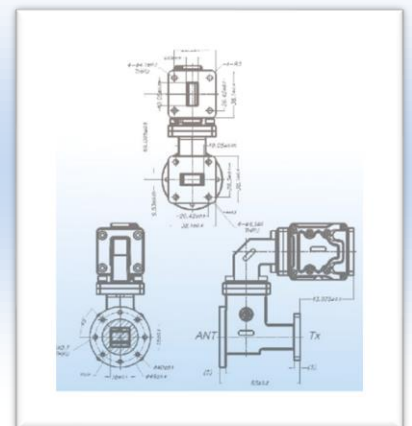
- Exceptional load resistance with a strong dish supporting structure.
- Manufactured from galvanized steel and finished with a powder coating for superior corrosion resistance
- All the hardware accessories have JS anti-corrosion finish for a longer life span.
- Fitted with adjustable EL/AZ mounting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



**FEED HORN**



**KU-OMT**



**OMT -DIAGRAM**

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## Technical Specification

<b>Reflector</b>	Typ	Elliptic
	Offset Angle	18.2
	Physical Size (cm)	Short Axis 118.4cm, Long
	Aperture Diameter (cm)	117
	F/D	0.
	Focus Length (mm)	877
<b>Transmitter (TX)</b>	Operation Frequency	13.75 ~ 14.5
	Efficienc	70 %
	Ku-band Gain	43.1 dBi @ 14 GHz
	3 dB Beam width	1.2°
	Cross Polarization on Axis within	30 dB Min.
<b>Receiver (RX)</b>	Operation Frequency	10.70 ~ 12.75 GHz
	Efficienc	70 %
	Ku-band Gain	41.6 dBi @ 12.45 GHz
	3 dB Beam width	1.4°
	Cross Polarization on Axis within	25 dB Min.
<b>TX / RX Side Lobe Level</b>		29-25 log $\theta$ dB $2.2^\circ < \theta \leq 7^\circ$ , 8 dB $7^\circ < \theta \leq 9.2^\circ$ , 32-25 log $\theta$ dB $9.2^\circ < \theta \leq 19.1^\circ$ , 0 dB $19.1^\circ < \theta \leq 180^\circ$
<b>Mounting</b>	Mounting Type	Pole
	Adjustment Type	AZ / EL
	Materi	Galvanized
	Finis	Polyester
	Col	Cool grey / Dark grey
	Elevation Range	5° ~
	Azimuth Range	0° ~
	Pole Diameter Acceptable	$\varnothing$ 76 ( $\varnothing$ 73 Optional)
<b>Environment</b>	Operational Winds	55
	Survival Winds	100
	Ambient Temperature	-
	Relative Humidity	0 ~ 100
<b>Feedhorn Clamp</b>	Maximum Loading	2.3