

V-SAT Antennas

1.8M & 2.4M Offset Ku-Band



Description

Hydroformed Offset Aluminum Antennas

Hydroforming aluminum to an accurate parabolic antenna with no flat spots, ripples, humps or flaws which cause signal distortion is the secret. Hydro-formed stress tempered aluminum provides accuracy unparalleled in the microwave industry. True Focus Offset Antenna's steel reinforced back structure provides superior strength, minimizing surface distortion due to wind loading. Hydroforming creates a perfectly smooth parabolic surface in the dish face giving **TRUE FOCUS** the best C-band and Ku-band performance available.

- Accurate RMS (.018")
- No separation or weather cracking
- Simple installation and design (**INSTALLATION** in 30 minutes or less)
- Hydroformed aluminum construction
- Extremely stable pointing accuracy
- Heavy duty AZ-EL mount with fine tuning

TRUE FOCUS has a complete line of antennas ranging in size from 1.2M (48") to 4.2M(14'), in prime focus and offset configurations.

For more information: Call 800-635-6106

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<u>ELECTRICAL</u>	<u>1.8M</u>	<u>2.4M</u>
Ku-band Frequency GHz	10.95-12.75 GHz	10.95-12.75 GHz
Gain dBi (Typical)	45.9 dB	47.6
3dB Beamwidth Ku-band	.99	.71
Noise Temperature °Kelvin (@30° Elevation)	46 k	28 k
Cross Polarization - On Axis (Minimum dBi)	30 dB on axis	30 dB on axis
VSWR (Maximum)	1.3:1	1.3:1
First Sidelobe	-20 dB	20 dB
<u>MECHANICAL</u>	<u>1.8M</u>	<u>2.4M</u>
Reflector F/D Ratio	.610	.610
Surface Accuracy (Typical RMS)	.018"	.018"
Antenna Style	Offset	Offset
Number of Sections	1-Piece	1-Piece
Reflector Material: Hydro-formed	.050 Aluminum Reinforced edge & back frame	.050 Aluminum Reinforced edge & back frame
Feed support Type	Tripod	Tripod
Angle of Offset	22.3°	22.3°
<u>ENVIRONMENTAL</u>	<u>1.8M</u>	<u>2.4M</u>
Wind Loading (Miles Per Hour): Operational (Minimum) Survival	60 mph 125 mph	60 mph 125 mph
Temperature (°Fahrenheit): Operational (Minimum) Survival	-20° - 125 °F -40° - 165 °F	-20° - 125 °F -40° - 165 °F
<u>MOUNT OPTIONS</u>	<u>1.8M</u>	<u>2.4M</u>
Commercial Azimuth/Elevation Mount	Azimuth Adj- 360° Elevation Adj- 10° - 90°	Azimuth Adj- 360° Elevation Adj- 10° - 90°
Pipe Size (Outside Dimensions)	3.50"	4.50"
Non-Penetrating Roof Mount	Yes	Yes
<u>PRODUCT SPECIFICATIONS</u>	<u>1.8M</u>	<u>2.4M</u>
Mount Weights	75 Lbs	100 Lbs
Antenna Weight & Hardware	70 Lbs	100 Lbs
Antenna & Mount Finish / Color	Powder Coat / White or Gray	Powder Coat / White or Gray