AFFORDABLE PERFECTION

V-SAT Antennas

1.8M & 2.4M Offset Tx/Rx C-Band, Linear & Circular

2-Port Tx/Rx C-Band Feed

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)**
- **Hydro-formed 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

Andersen Manufacturing Inc. www.anderseninc.com email: andersen@srv.net

3125 N. Yellowstone Hwy. Idaho Falls, Idaho 83401 • (208) 523-6460 • Fax (208) 523-6562

True Focus

AFFORDABLE PERFECTION

V-SAT Antennas

1.8M & 2.4M Offset Tx/Rx C-Band, Linear & Circular

ELECTRICAL	1.8M		2.4M	
C-band Frequency GHz	3.625 - 4.20,	5.850 - 6.425	3.625 - 4.20,	5.850 - 6.425
Gain dBi (Typical)	35.8	39.4	38.0	41.5
3dB Beamwidth C-band	3.0	2.0	2.1	1.3
Noise Temperature ºKelvin (@30º Elevation) C-band	40º		30º	
Cross Polarization - On Axis (Minimum dBi) C-band	30 dB on Axis		30 dB on Axis	
Typical G/T at 20º Elevation, 3.7 GHz, 20º LNB	17.75 dB/K		20.26 dB/K	
VSWR (Maximum)	1.3:1		1.3:1	
MECHANICAL	**1.8M**		**2.4M**	
Reflector F/D Ratio	.610		.610	
Surface Accuracy (Typical RMS)	.018”		.018”	
Antenna Style Number of Sections	Offset 1-Piece		Offset 1-Piece	
Reflector Material: Hydroformed	.050 Aluminum Reinforced edge & back frame		.050 Aluminum Reinforced edge & Back frame	
Feed support Type	Tripod		Tripod	
Angle of Offset	22.3º		22.3º	
ENVIRONMENTAL	**1.8M**		**2.4M**	
Wind Loading (Miles Per Hour): Operational (Minimum) Survival	60 mph 125 mph		60 mph 125 mph	
Temperature (ºFahrenheit): Operational (Minimum) Survival	-20º - 125º F -40º - 165º F		-20º - 125º F -40º - 165º F	
MOUNT OPTIONS	**1.8M**		**2.4M**	
Commercial Azimuth/Elevation Mount	Azimuth Adj- 360º Elevation Adj- 10º - 90º		Azimuth Adj- 360º Elevation Adj- 10º - 90º	
Pipe Size (Outside Dimensions)	3.50”		4.50”	
Non Penetrating Roof Mount	Yes		Yes	
PRODUCT SPECIFICATIONS	**1.8M**		**2.4M**	
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	

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