

DATASTORM XF MOUNT S P E C I F I C A T I O N S



DATASTORM XF2 .98 METER

General Information

| | |
|-------------------|-----------------------|
| Deployed Height | 50" |
| Stowed Dimensions | 65" L X 40" W X 12" H |
| Reflector Size | .98 Meter Offset |
| Weight | 160 lbs estimated |

Note: See Prodelin Series 1984 Data Sheet for Antenna and Feed Specifications

Mount Rotation

| | |
|---------------------|-------------------------------------|
| Azimuth | 365 Degrees |
| Elevation | 143 Degrees Deployed from Stow |
| Elevation | 0 – 70 Degrees Satellite Latitude |
| Skew (Polarization) | 190 Degrees (cross Pol / Isolation) |

Note: See Prodelin Series 1984 Data Sheet for Antenna and Feed Specifications

Environmental

| | |
|------------------------------|---------------------------------------|
| Operational Wind Speed | 43 MPH (based on attached structure) |
| Survival Wind Speed Deployed | 80 MPH (based on attached structure) |
| Survival Wind Speed Stowed | 125 MPH (based on attached structure) |
| Operation Temperature | -30 to +130 F |

Electrical RF Interface

| | |
|--------------------|-----------------------------|
| Transmit Power | 1 to 4 Watts (Ku Band) |
| Transmit Frequency | 13.75 – 14.50 GHz (Ku Band) |
| Receive Frequency | 10.95 – 12.75 GHz (Ku Band) |

1955 S. Milestone Dr. Salt Lake City, UT 84119
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Electrical Connections

| | |
|----------------|-------------------------|
| TX (BUC) | RG6 |
| RX (LNB) | RG6 |
| Power and Data | Circular 9 Pin (18 AWG) |

Power Requirements

15VDC 8.6 Amps

Acquisition Speeds

| | |
|-----------|-------------------|
| Elevation | 3 degrees/second |
| Azimuth | 10 degrees/second |
| Skew | 8 degrees/second |

Acquisition time to first satellite identification < 90 seconds typical
Acquisition time to target satellite identification < 3 minutes typical

Peak/Pointing Accuracy

| | |
|-----------|--|
| Elevation | .0625 Degrees with 0 degrees effective backlash |
| Azimuth | .050 Degrees with .25 degrees backlash (correctable) |
| Skew | .25 degrees < .5 degrees backlash |

Deployment Sensors

GPS (Global Positioning System)
X-Y Tilt Sensors .25 degree @ 25C

Controller Interface

D3 Antenna Controller
Ethernet RJ45 (HTML)
RX Pass Through F Type Connector
Front Panel Search, Stow, and Power Buttons
HTML Interface via IP address

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