

AA90 Antenna

The AA90 Antenna is a combined DME and ADS-B Antenna. The antenna is extremely rugged and durable to withstand the harshest of environments.

The AA90 Antennas optimized elevation patterns, excellent Gain and low sidelobes below the horizon, eliminate multipath issues while providing ideal antenna patterns for DME and ADS-B applications.

The AA90 Antenna comes with a monitor port, optional safety lighting and additional mounting configurations.

FEATURES

- > Omnidirectional Azimuth Pattern
- > Shaped Elevation Pattern
- > Rugged, Durable Construction
- > Monitor Ports and Optional Safety Lighting

DME & ADS-B ANTENNA

MODEL AA90

Model AA90 Antenna Characteristics

Electrical:

- Frequency band960 to 1215 MHz
- Impedance50 Ohm
- Polarization.....Vertical
- Gain Sum8.0 dBi
- Sum Azimuth B.W.Omni-directional
- Sum Elevation B.W.....Not less than 6 Deg.
- Azimuth Circularity+/- 1 dB Max

Inputs:

- RF InputType N Female 50 Ohm
- RF Monitoring Port.....Type N Female 50 Ohm
- ElectricalMS3112 (Optional Equip)

VSWR:

- 978 MHz2.0 : 1.0 Maximum
- 1030 MHz2.0 : 1.0 Maximum
- 1090 MHz2.0 : 1.0 Maximum

- Power Rating:**5.0 kW Peak
typical DME Duty Cycle
.....290 W Avg.

Environmental:

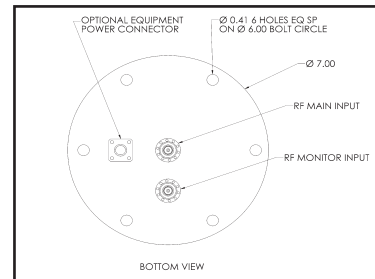
- Temperature Hi/Low:-57 to +85 Degrees C
- Relative Humidity......5% to 100%
- Altitude-300 to 15,000 Feet
- Wind Speed100 mph
- Ice Loads1/2 in radial ice

Optional Equipment:

- Mount for Supplemental Antennas
- Obstruction Lighting
- Pipe Mounting Adapters
- Side Mounting Adapters

- WeightTBD
- Height......75 in Max (191 cm)

Mounting Information:



Elevation Radiation Pattern (Model AA90)