



3.5 METER Ku BAND ANTENNA

M390-112 SERIES

DATA
SHEET
No. T102

- DESIGNED AND RANGE TESTED FOR Ku APPLICATIONS
- Ku-BAND SURFACE TOLERANCE
- AVAILABLE IN FIXED, MOTORIZED AND TRANSPORTABLE VERSIONS

GENERAL DESCRIPTION

Reflector Type	Aluminum Frame with 10 close-tolerance RTM interchangeable panels.
Mount Configurations	Manual EL/Az, Motorized dual axis and Transportable
Surface Tolerance	.020 RMS
Pointing Accuracy	+/- .05a
Feed Type	Cassegrain with corrugated horn and monopod supported subreflector.

ELECTRICAL SPECIFICATIONS

	<u>RECEIVE</u>	<u>TRANSMIT</u>
Operating Frequency	11.7 - 12.2GHz	14.0 - 14.5GHz
Gain @ Midband dBi	50.7 dB	52.1 dB
3 dB Beamwidth (Max.)	0.50°	0.45°
15 dB Beamwidth (Max.)	1.00	0.87
Feed Interface	WR 75	WR 75
Polarization	Dual linear - 360 Manual (3 and 4 Port, Circular and Motorized Options)	
VSWR	1.3 dB Max. All Ports	
Isolation Between Ports	30 dB Min.	
Power Handling Capability	750 Watts, CW, Max.	
Antenna Noise Temp.	27° K @ 30° Elev.	
Sidelobes	Meets FCC 2° Specs (29 - 25 Log 0)	
First Sidelobe	-17 dB, Min.	

MECHANICAL SPECIFICATIONS

Net Weight	- EL/Az - 1000 Lbs.	- Dual Axis - 1500 Lbs.	-Transportable - 4500 Lbs.
Shipping Weight	- EL/Az - 1200 Lbs.	- Dual Axis - 1700 Lbs.	
Windload	Operational - 55 MPH	Survival - 125 MPH	

Data subject to change without notice



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