

SUPERIOR SATELLITE

“Satellite Antenna Systems Engineering Excellence”

SSE SERIES 8345 4.5 METER SATELLITE ANTENNA



- **Two-man installation**
- **Tripod and Pier Mounts**
- **Elevated Mounts**
- **Steerable Options**
NAVIGATOR 45-III
- **Multiple-Satellite Feed Systems (Inset)**

Provided by: Mega Hertz 800-883-8839 info@go2mhz.com www.go2mhz.com

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*ANTENNA SPECIFICATIONS	C-BAND	KU-BAND
Operating Frequencies	3.7 - 4.2 GHz 5.925 - 6.425 GHz	10.95 - 12.75 GHz 14.0 - 14.5 GHz
Gain at Midband (Reference to OMT Port)	43.6 dBi minimum @ 4.0 GHz 46.7 dBi minimum @ 6.175 GHz	53.1 dBi minimum @ 12.0 GHz 54.3 dBi minimum @ 14.25 GHz
VSWR	1.3:1 maximum	1.3:1 maximum
Polarization	Dual Linear	Dual Linear
Polarization Adjustment	360° continuous	360° continuous
Cross-Polarized Suppression	35 dB minimum on axis	35 dB minimum on axis
Isolation (Port-to-Port)	35 dB minimum	35 dB minimum
3 dB Bandwidth (Nominal)	1.1° @ 4.0 GHz 0.76° @ 6.175 GHz	0.4° @ 12.0 GHz 0.34° @ 14.25 GHz
First Sidelobe Level	-22 dB	-20 dB
Antenna Noise Temperature (Referred to OMT port)	@ 4.0 GHz Elevation Temp 40° 22K	Typical @ 12.0 GHz Elevation Temp 40° 26K

MECHANICAL

Antenna Diameter: 4.5 Meters (14.8 ft)
Reflector Construction: 12 panels, precision stretch stamped steel
Mount Type: Elevation-over-azimuth
Antenna Travel:
 Elevation: 0° to 90° continuous
 Azimuth:
 Manual: 360°
 Motorized 120° continuous

Polarization Adjustment;
Manual: 360° continuous
Motorized: 300° continuous

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