

4.5 Meter Prime Focus Receive Only Antenna



Your Trusted Source for Satellite Equipment

- **12 Panel Precision Stretched Stamped Steel Reflector**
- **Available in Fixed and Dual Axis Motorized Configurations**
- **Two Man Installation**

VS-SSE45FAE
VS-SSE45MAE

ELECTRICAL SPECIFICATIONS		
	C-Band	Ku-Band
Operating Frequency (GHz)	3.7 – 4.2	10.95 – 12.75
Midband Gain, dBi	43.6 dBi min @ 4.0 GHz	53.1 dBi min @ 12.0 GHz
3dB Beamwidth	1.1°	0.4°
Antenna Noise Temperature (40° Elevation)	22K	26K
Cross-Polarized Suppression	35 dB minimum on axis	
Feed Interface	CPR-229F	WR-75
First Sidelobe (typical)	-22 dB	-20 dB
Isolation (Port to Port)	35 dB minimum	
VSWR	1.3:1 Max.	

MECHANICAL SPECIFICATIONS	
Antenna Diameter	4.5m
Reflector Material	12 panel, precision stretch steel
Antenna Optics	Prime Focus, Axisymmetric
Mount Options	Tripod Mount
F/D Ratio / Feed Support	.375 / Quad Feed Support
Elevation Adjustment Range	0°~90°(Continuous)
Azimuth Adjustment Range	Manual 360° / Motorized 120°
ENVIRONMENTAL SPECIFICATIONS	
Wind Load	
Survival	120 mph (193 km/h)
Operational	45 mph (72 km/h)

RECEIVE-ONLY_450_PF-12_REV003
Specifications are subject to change without notice

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