



**Reconditioned 6.15M Vertex 4-Port Feed
Serial #: 95-0001**

Antenna Diameter 6.15M (242 inches)
Antenna Optics: Cassegrain dual reflector
Feed Type: Corrugated conical horn
Reflector Construction: 16 panels, precision stretch formed steel
Mount Configuration: Elevation over azimuth
VSWR 1.3:1 max
Gain at Midband (referenced to OMT port)
 Ku-band
 Transmit (14.25 GHz) 57.1 dBi
 Receive (11.95 GHz) 55.9 dBi
Half Power Beamwidth (nominal)
 Ku-band
 Transmit (14.25 GHz) 0.25 dBi
 Receive (11.95 GHz) 0.30 dBi



Radiation Pattern Sidelobe Envelope (Per FCC and CCIR)

Envelope Defined By: $29 - 25 \log 0 \text{ dBi}$, $1^\circ \leq \theta \leq 7^\circ$
 8 dBi , $7^\circ < \theta \leq 9.20^\circ$

At least 90% sidelobes less than: $29 - 25 \log 0 \text{ dBi}$, $9.2^\circ < \theta \leq 20^\circ$
less than: $32 - 25 \log 0 \text{ dBi}$, $20^\circ < \theta \leq 48^\circ$
 -10 dBi , $48^\circ < \theta \leq 180^\circ$

Antenna Noise Temperature (referenced to OMT)

Ku-band (11.95 GHz)

Elevation	Temperature (K)
5°	70
10°	55
20°	40
40°	37
60°	35

Estimated Shipping Information:

Shipping weight: 6000 lbs (2721 kg) (approximate)
Net weight: 4000 lbs (1814 kg)
Shipping volume: 500 ft³ (14m³)

Engineered non-penetrating ballast weight mount also available.

**Please call for pricing & payment options.
Temporary lease options available.
Custom integrated packages available upon request.
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