

INTELSAT TYPE APPROVED 1.2M KU-BAND VSAT ANTENNA WITH WIDEBAND TX/RX LINEAR POLARIZED FEED



VS-120TX



Your Trusted Source for Satellite Equipment

- Intelsat Type Approved 1.2m Ku-Band VSAT
- Tx/Rx Feed Assembly Included
- Bulk Shipped or Individually Boxed

	RECEIVE	TRANSMIT
Frequency (GHz)	10.95 - 12.75	13.75 - 14.5
Antenna Gain (dBi) @midband	42.2	43.5
Antenna Noise Temperature, 30° elevation	40K	
G/T AT 30° EI	21.6dB/K with 68 K LNA	
Cross-Pol Isolation: w/in tracking beam width	>35dB (on axis) 25dB	>35dB (on axis) 25dB
VSWR	1.3:1	1.3:1
Feed Insertion Loss	-0.1 dB	-0.1 dB
Feed Interface	WR75 Cover Flange	WR75 Cover Flange
Sidelobe Envelope		
100λD° ≤ θ ≤ 20°	29 – 25 Log θ dBi	29 – 25 Log θ dBi
20° < θ ≤ 26.3°	-3.5 dBi	-3.5 dBi
26.3° < θ ≤ 48°	32 – 25 Log θ dBi	32 – 25 Log θ dBi
θ > 48°	-10 dBi (averaged)	-10 dBi (averaged)

MECHANICAL SPECIFICATIONS	
Antenna Optics	Prime Focus Offset Feed
Reflector Material	Single-piece Steel Refector with Rolled Edges
Mount Type	Elevation over Azimuth
Azimuth Alignment	0° - 360° Course and Fine Adjustment
Elevation Alignment	15° - 90° Continuous Fine Adjustment
Mast Pipe Size	76mm
ENVIRONMENTAL SPECIFICATIONS	
Operational Wind Loading (survivable)	80km/hr (200 km/hr)
Operational Temperature (survivable)	-40°C - +60°C (-40°C - +71°C)
Humidity	0 - 100%

TX-RX_120KU_INTELSAT_VS-120TX_REV003
Specifications are subject to change without notice

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