

OP125

Technical Specifications	OP 125 L
Frequency range (GHz)	10.00-13.00
Outside dimension(cm)	124.5 x 133.5
Reflecting dimension (cm)	121.0x130.0
Illumination efficiency ⁽¹⁾ (%)	70
Gain ⁽¹⁾ @ 10.70 GHz (dB)	41.10
Gain ⁽¹⁾ @ 11.70 GHz (dB)	41.90
Gain ⁽¹⁾ @ 12.75 GHz (dB)	42.60
Cross polarization ^{(1);(2)} on axis (dBc)	-28
First side lobe level ^{(1);(2)} (dBc)	-24
Noise temp. ⁽¹⁾ @ 12GHz, 30° elevation (K)	34
F/D ratio	0.66
-3 dB Beam width ⁽¹⁾ @ 11.7GHz	1.32°
Offset pointing angle	21.3°
Feed illumination angle	70°
Feeder clamp (mm)	40
Elevation angle	20° - 50°
Mast clamp (mm)	55 - 100
Aluminum reflector thickness (mm)	1.5
Steel reflector thickness (mm)	1.0
Wind-load @ 120 km/h (kg)	162
Antenna net weight with aluminum dish (kg) ⁽³⁾	15.1
Antenna net weight with steel dish (kg) ⁽³⁾	19.8
Working temperature	-30°/+70°
Humidity	0-100%
⁽¹⁾ Value with matched feed	
⁽²⁾ Value @ 10.95GHz	
⁽³⁾ Net weight without package	