

PN# PG2127-24      Description      24 dBi QLP Parabolic Antenna Assembly



Electrical

Frequency Range (MHz)	2150-2162	2400-2483	2500-2700
Gain	22 dB +/- 1 dB	23.5 +/- 1dB	24 +/- 1 dB
Efficiency	47%	48%	50%
VSWR	1.5:1	1.5:1	1.5:1
3-dB Beamwidth	12.5° +/- 0.5°	10.0° +/- 1.0°	9.75° +/- .75°
Side Lobe Level	-18 dB +/- 2dB	-20 dB +/- 3dB	-20 dB +/- 3dB
Front to Back Ratio			
over near hemisphere	21 dB	21 dB	21 dB
at 180 degrees	28 dB	28 dB	28 dB
Polarization	Vertical or Horizontal		
Cross Polarization			
Rejection	28 dB	28 dB	28 dB

Mechanical

Reflector Type	Wire Grid Parabola
Size	27" x 30"
Weight	5.3 lbs
Surface Accuracy	0.05" RMS
Focal Length	15"
F/d Ratio	0.46 - 0.56
Feed Type	Quasi Log Periodic End Fire Array
Mounting	Stainless Steel Hardware for 3/4"-2" O.D.
Mast	
Azimuth Adjustment	Continuous
Finish	Powder Coat Paint, Gray
Connector	"N" Type Male Environmentally Sealed
Operating Temperature	-40°C to +80°C