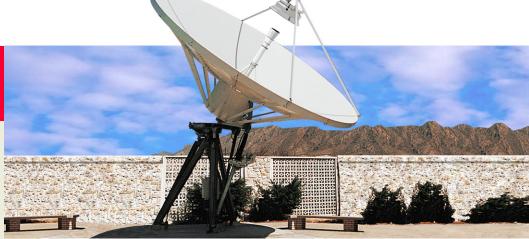


PRODUCT SPECIFICATIONS



7.3 Meter Earth Station Antenna

he superior performance of the ASC Signal 7.3 meter earth station antenna makes it an excellent choice for high-density data, voice, communications networks and broadcast applications.

The uniquely formed dual reflector Gregorian system and close-tolerance manufacturing techniques provide an extremely accurate surface contour, exceptionally high gain and closely controlled pattern characteristics. The 7.3 meter 2 or 4-port C-band INTELSAT. Type Approved antennas speed system deployment. Minimal testing and decreased administrative and approval requirements translate directly to cost savings.

- Self-aligning main reflector No field alignment.
- Rugged aluminum and steel construction.
- 3 Year warranty on structural components.
- Russian Homologation Certificate # OC/1-AO-136.
- INTELSAT- Type Approval, IA032A00, 2-port; IA032B00, 4-port.



7.3 Meter Earth Station Antenna

Electrical Performance

	Circular	d 2-Port PolFeed e Transmit	Linear	d 2-Port Pol Feed Transmit	Circula	d 4-Port rPolFeed e Tiansmit		d 4-Port Pol Feed Transmit
Frequency (GHz)	3.625- 4.200	5.850- 6.425	3.625- 4.200	5.850- 6.425	3.625- 4.200	5.850- 6.425	3.625- 4.200	5.850- 6.425
Antenna Gain at Output Fland 4.0000 GHz 6.1750 GHz	ge (dBi ±0.2 dB) Frequency 48.30 51.60		48.30 51.70		48.30 51.60		48.30 51.60	
Antenna Noise Temperature (10° Elevation 30° Elevation 50° Elevation	3	Conditions at 68°F (20°C 8 K 7 K 5 K	·)	42 K 31 K 29 K		48 K 37 K 35 K		48 K 37 K 35 K
Cross Polarization On Axis Within 1 dB Beamwidth	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	35 dB 35 dB	35 dB 35 dB
Axial Ratio	2.3 dB	0.75 dB	N/A	N/A	0.50 dB		0.50 dB N/	A N/A
VSWR Performance	1.30:1	1.30:1	1.30:1	1.30:1	1.30:1	1.30:1	1.30:1	1.30:1
Port-to-Port Isolation Rx to Rx Tx to Rx Tx to Tx	N/A 85 dB N/A		N/A 85 dB N/A		20 dB 85 dB 20 dB		40 dB 85 dB 40 dB	
Waveguide Interface Flange	Brass CPR-137	Brass G CPR-229G	Aluminum CPR-137G	Aluminum CPR-229G	Brass CPR-137	Brass 'G CPR-229G	Brass CPR-137G	Brass CPR-229G
Tx Power Capacity	500 W		5000	W	2.	500 W	25	00 W

Mechanical Performance

Optics Type	Dual Reflector, Gregorian					
Reflector Material	Precision Formed Aluminum					
Reflector Segments	16					
Mount Type Tripod Mount						
Antenna Pointing Range		5° Coarse, 85° Continuous 180° Coarse, 120° Continuous 180° Coarse, 180° Continuous				
Hub/Enclosure Dimensions	Diameter Depth	, ,				

Environmental Performance

Operational Temperature	-40°C to 52°C (-40°F to 125°F)
Wind Loading (Survival) with Motor with Motor	200 km/h (125 mph) in Stationary Position 200 km/h (125 mph) in Stationary Position
Wind Loading (Operational) with Motor without Motor	72 km/h (45 mph) with Gusts up to 105 km/h (65 mph) 72 km/h (45 mph) with Gusts up to 105 km/h (65 mph)
Rain	102 mm (4 in per hour)
Relative Humidity	100%
Shock and Vibration	As Encountered by Commercial Air, Rail and Truck
Atmospheric Conditions	As Encountered by Moderately Corrosive Coastal and Industrial Areas



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All designs, specifications and availabilities of products and services presented in this bulletin are subject to change without notice.

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Internet: www.ascsignal.com

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