



ESES180KA2

ANCHOR 1.8m Ka-Band Earth Station Antenna



KEY SPECIFICATIONS

Band	Ka-Band
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ANTENNA SPECIFICATIONS

Antenna Aperture	1.8m
Antenna Drive Mode	manual structure antenna
Antenna Type	Single Offset
Number Of Ports	2-ports
Polarization	Linear / Circular
Rx Axial Ratio 2 Ports	1.5 dB
Rx Cross Polarization Isolation	≤ 35 dB
Sidelobe	$29 - 25 \log \theta (1^\circ \leq \theta < 20^\circ)$
Tx Axial Ratio 2 Ports	1.5 dB
Tx Cross Polarization Isolation	≤ 35 dB

RF SPECIFICATIONS

Noise Temperature Elevation 10°	126 K
Noise Temperature Elevation 20°	85 K
Noise Temperature Elevation 40°	80 K
Port Isolation Rx-tx	85 dB
Rx Feed Insertion Loss	0.5 dB
Rx Frequency	17.70 - 21.20 GHz
Rx Gain	48.9 dBi @ 19.95GHz
Rx VSWR	1.35 : 1

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Tx Feed Insertion Loss	0.4 dB
Tx Frequency	27.50 - 31.00 GHz
Tx Gain	52.37 dBi @ 29.75GHz
Tx VSWR	1.35 : 1

ELECTRICAL SPECIFICATIONS

Power Capacity	2 KW
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INTERFACE SPECIFICATIONS

Rx Interface	WR-42
Tx Interface	WR-28

ENVIRONMENTAL SPECIFICATIONS

Humidity	1.0
Ice Load	Icing 13mm: normal work; Icing 25mm: no damage
Seismic Capacity Horizontal	0.3 G
Seismic Capacity Vertical	0.1 G
Temperature Operational	-30 - 50°C
Windspeed Operational	72 km/h
Windspeed Survival	216 km/h

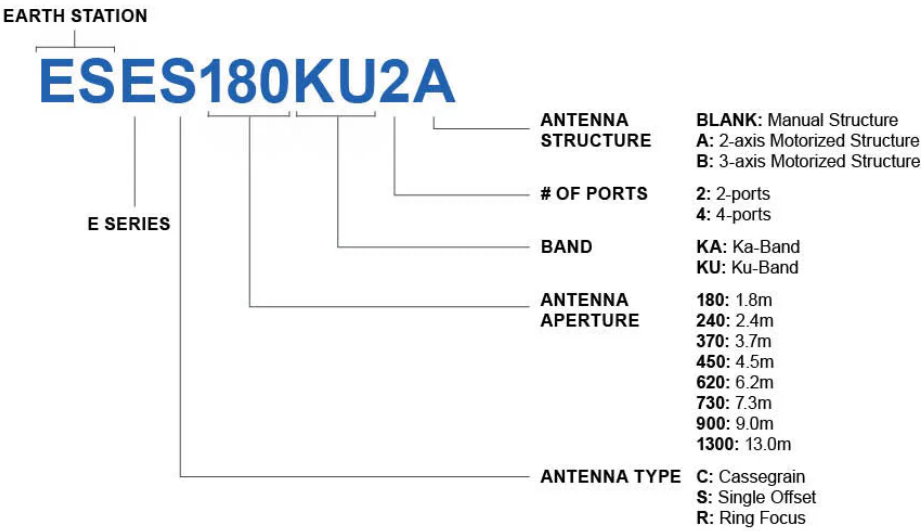
PHYSICAL SPECIFICATIONS

Motion Range AZ	0° - 360° (continuous)
Motion Range EL	5° - 90°
Motion Range POL	±90°
Product Dimensions (LxWxH)	Case 1 (reflector): 2050 x 1950 x 520mm; Case 2 (kingpost): 1155 x 450 x 535 mm;
RMS	≤0.3 mm
Structure	EL Over AZ

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
		Richmond, BC, Canada		

HOW TO ORDER



MECHANICAL DIAGRAMS