



ESER730KU2B

ANCHOR 7.3m Ku-Band Earth Station Antenna

of Ports: 2-ports

We recommend purchasing the corresponding Antenna Control System along with the **motorized** Earth Station, unless you plan to develop the control system yourself. Please note that the Antenna Control System is sold separately at an additional cost. For Manual Structure Antennas, a control system is not required.



KEY SPECIFICATIONS

Band	Ku-Band
------	---------

ANTENNA SPECIFICATIONS

Antenna Aperture	7.3m
Antenna Drive Mode	3-axis motorized structure
Antenna Type	Ring Focus
Number Of Ports	2-ports
Polarization	Linear
Rx Axial Ratio 2 Ports	≤ 1.3 dB
Rx Cross Polarization Isolation	≥ 30 dB
Sidelobe	≤ -14 dB; $29 - 25 \log \theta (1^\circ \leq \theta < 20^\circ)$
Tx Axial Ratio 2 Ports	≤ 1.3 dB
Tx Cross Polarization Isolation	≥ 30 dB

RF SPECIFICATIONS

Noise Temperature Elevation 10°	62.8 K
Noise Temperature Elevation 20°	51.6 K
Noise Temperature Elevation 40°	44.8 K
Port Isolation Rx-tx	85 dB
Rx Feed Insertion Loss	≤ 0.3 dB
Rx Frequency	10.70 - 12.75 GHz
Rx Gain	$57.73 + 20 \lg f / 11.725$ GHz
Rx VSWR	1.3 : 1



Innovative Communication Solutions

Tx Feed Insertion Loss	≤0.3 dB
Tx Frequency	13.75 - 14.50 GHz
Tx Gain	58.88+20lg f/14.275 GHz
Tx VSWR	1.3 : 1

ELECTRICAL SPECIFICATIONS

Power Capacity	2 KW
----------------	------

INTERFACE SPECIFICATIONS

Rx Interface	WR-75
Tx Interface	WR-75

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

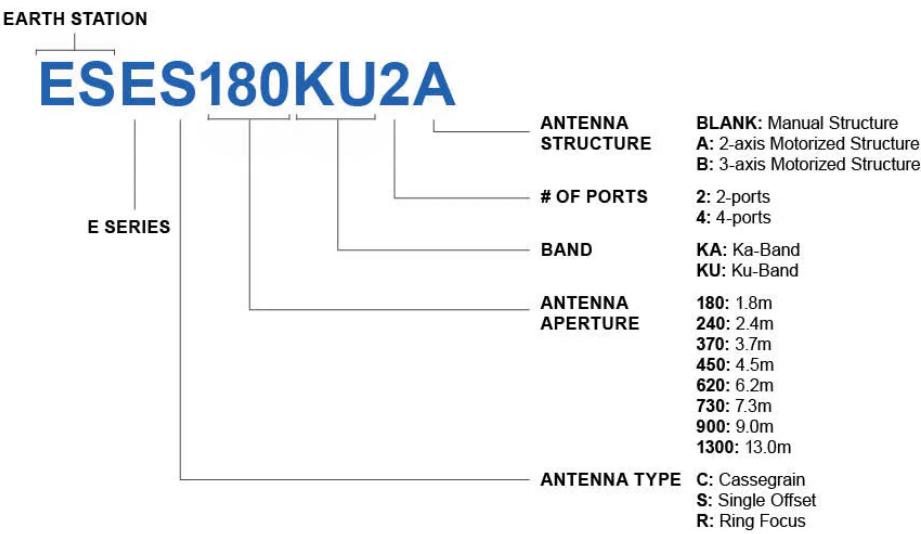
PHYSICAL SPECIFICATIONS

Loading Capacity	1 set for 40GP container
Motion Range AZ	±85°(Truss type), 5° - 355° continuous (turntable type)
Motion Range EL	5° - 90°
Motion Range POL	±90°
Product Package Volume	7 packages, dimension: 36.15 CBM
RMS	≤0.4 mm
Structure	LMC/ FMC

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8529109090	Made in China	China		5210 kg

HOW TO ORDER



MECHANICAL DIAGRAMS



Norsat
International Inc.

Innovative Communication Solutions

