

## Direcstar SPFx12A Fly-Away VSAT Antenna

	the market today. The of 0.1 degrees in less to handle, purpose bu gest, most rugged ac lity in extreme enviror market. The fully inter rithout requiring an ex DVB receiver and GI most platforms available	SPFx12A antenn than 2 minutes. T iilt, cases. Service tuators and motor ments as well as grated two-way ternal PC. The PS makes able in	a is capable he esat s	SPFx12A Antenna Deployed
GENERAL INFORMATION   Reflector Type: 4 piece segmented 1.2 M .8 F/D Glass Fiber   Reinforced Polyester SMC   Optics Offset: Prime Focus Diffset Feed	RF Tx Interface:	Waveguide - 3' WR75 Flange Flexible and Twistable Waveguide	MECHANICAL Range Of Motion: Azimuth: Elevation: Polarization:	342° (+/- 171°) 12° to 93° Operational +/- 90°
BUC Supported*: 6.8Kg / 30.48cm L x 19.7cm W x 14cm H Polarization*: Cross-pol Mount Geometry: Elevation Over Azimuth Set-up Time: Less than 15 minutes ELECTRICAL Controller Dimensions: 2U 19" Rack Mountable Power Supply Input: 100-250V 3A Max	Rx Interface: Frequency Range Rx: Tx: Gain (Midband) Rx: Tx: VSWR Rx & Tx: Beamwidth Rx: Tx:	WR75 Flange 10.95 - 12.75 Ghz 13.75 - 14.50 Ghz 41.5 dBi 43 dBi 1.3:1 1.4° (-3 dB), 2.4° (-10 dB) 1.2° (-3 dB), 2.1° (-10 dB)	Speed: Deploying Elevation: Stowing Elevation: Deploying Azimuth: Time to Acquisition:	4.6° Per Second 5.0° Per Second 0.4° Per Second < 2 Minutes (Typical) 36V HD Linear Actuator (0.1° Resolution) 24V HD Brushless Motor (0.1° Resolution) 24V HD Brushless Motor (0.1° Resolution) Electrical Elevation, Manual for SK
Running Load: 47-63Hz 300W Max Output: 48V 6.7A Max Electrical Data Interface*: RG6 60' (18.25 m) Transmit (Tx)*: RG6 Compression F Connector Receive (Rx)*: RG6 Compression F Connector Sensors: GPS Compass +/- 15° Tite + / 5°	Radiation Pattern Compliance: Antenna Noise Temperature: Cross Pol Isolation on Axis Rx & Tx (Minimum): Isolation Port to Port (Minimum) Rx: Tx:	FCC § 25.209 46K (20° EI), 43K (30° EI) 30 dB 35 dB 80 dB	ENVIRONMENTAL Wind Operational Deployed: Survival Deployed: Survival Stowed: Temperature Operational: Survival:	-40°F to 127°F (-40°C to +50°C)
Tilt +/5° *OPTIONS • Larger BUCs supported using High Power BUC mounting kit and waveguide • Co-Pol • RG11 Cables • Reflector sizes .75M, .84M, .98M, 1.2M	DIMENSIONS Stowed Dimensions: Max Deployed Height: Mount Rail Width: Weight:	N/A 177.8cm N/A see Case Dimensions	CASE DIMENSIONS Reflector Case (Size/Weight): Feed Arm Case (Size/Weight): AZ/EL Case (Size/Weight): Tripod Case (Size/Weight):	137.2cm L x 30.5cm W x 33cm H / 23.8Kg 88.9cm L x 40.6cm W x 53.3cm H / 33.3Kg

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