



PFA-240

Whether you operate in Ku, Ka, X or C band, the PFA-240 could be easily configured to provide instant satellite communications for any application that requires reliable and / or remote connectivity in a rugged environment. It ensures reliable transmission for any applications such as corporate networks, military and emergency communications, etc...

It can be easily transported with IATA weight compliant flight cases so it can be transport by a commercial airline to wherever you need.

The PFA-240 with light weight, robust 9 segmented Carbon-Fiber main reflector folding feed-arm, fixed sub-reflector facilitates easy and fast installation. Two operators can achieve the installation within 12 minutes without any training and tools requiring.

Key Features

- Dual offset Carbon-Fiber 9 pieces segmented reflector
- Less than 12 minutes ready to operation with two person
- Easy acquisition without any training and tools
- Fast and high-quality transmission at anytime and anywhere.
- Aluminium alloy tripod support legs
- C, X, Ku and Ka Band options available
- High resistance for toughest weather conditions (wind, rain, sun...)
- Optional De-Ice



GENERAL SPECIFICATIONS

Reflector Diameter	2.4m	
Reflector Type	Offset	
Setup Time	~12 Minutes	
Antenna Concept	Dual focus antenna with 9 segmented 2.4m main reflector, folding feed-arm, fixed sub-reflector	
Number of Cases	7 Cases	
Antenna Travels	AZ	360°
	EL	0° to 85°
	POL	-90° to 90°

RF CHARACTERISTIC

		Ku-Band	Ka-Band	C-Band	X-Band
Frequency (GHz)	Tx	13.75 - 14.50	17.7 - 21.2	5.850 - 6.725	7.9 - 8.4
	Rx	10.70 - 12.75	27.5 - 31	3.40 - 4.20	7.25 - 7.75
Antenna Gain (±0.2 dBi)	Tx	48.8 (Midband)	51.7+20log(f/29.25)	41.7 (Midband)	44.0+20log(f/8.25)
	Rx	47.3 (Midband)	48.2+20log(f/19.45)	37.4 (Midband)	43.3+20log(f/7.5)
Polarization		Linear	Circular	Linear / Circular	Circular
TX/RX Isolation		85 dB			
Satellite Operator Compliancy		Compliant with most of satellite operator requirements			
VSWR		1.3			
Cross Polar Rejection		>35 dB within 1 dB beamwidth			
Side Lobe		-14 dB (First Side Lobe)			

ENVIRONMENTAL SPECIFICATIONS

Temperature	Operational	-30°C to 55°C
	Survival	-40°C to 70°C
Wind Speed	Operational	45 km/h
	Survival	65 km/h
	Operational (with ballast)	80 km/h
	Survival (with ballast)	100 km/h
Rain	Survival in heavy rainstorm	
Humidity	Up to 100% with condensation	

Compliances / Certificates



Would you like to get more information?

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