



PFA-240

Whether you operate in C, X, Ku or Ka 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 transferred via IATA weight-compliant flight cases and can be transported by a commercial airline to wherever you need.

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

Key Features

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



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 EL POL	360° 0° to 85° -90° to 90°

RF CHARACTERISTICS

		C-Band	X-Band	Ku-Band	Ka-Band
Frequency (GHz)	Tx	5.850 - 6.725	7.9 - 8.4	13.75 - 14.50	17.7 - 21.2
	Rx	3.40 - 4.20	7.25 - 7.75	10.70 - 12.75	27.5 - 31
Antenna Gain (± 0.2 dBi)	Tx	41.7 (Midband)	$44.0 + 20\log(f/8.25)$	48.8 (Midband)	$51.7 + 20\log(f/29.25)$
	Rx	37.4 (Midband)	$43.3 + 20\log(f/7.5)$	47.3 (Midband)	$48.2 + 20\log(f/19.45)$
Polarization		Linear / Circular	Circular	Linear	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			
Antenna Pattern Compliancy		ITU-R S.580-6 and ITU-R S.465-6			

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	

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