



PFA-260-MIL

PFA-260 is designed as portable as in 10 segmented, lightweight, carbon-fibre petals. It is available in Ku, Ka, X, C and DBS Band as a multi-band feed option. It can be installed without any tool and can be delivered as a complete integrated system. 2 pieces of IATA standard, robust carbon-fibre flight cases are suitable to place the antenna onto any terrain.

The PFA-260 can be installed without any tool or any training. PALS PAC Series antenna control unit allows one-button operation. Two operators can achieve the installation within 15 minutes. Once deployed uninterrupted communication starts within minutes.

COMPATIBILITY

- MIL-STD-810G Compliant
- MIL-STD-461F Compliant
- MIL-STD-1472 Compliant
- MIL-STD-188-164A Compliant
- ITU-RS-580 Compliant
- ITU-RS-465-6 Compliant
- EUTELSAT Compliant

Key Features

- Multi-Band feeds changed in minutes
- Multiple mount options (mobile, pedestal, tactical, tripod, trailer mounts)
- C, X, Ku, Ka Band options are available
- 10 reflector panels (carbon-fiber)
- Motorized or non-motorized versions
- 2 transport cases (standard)
- Installation within 15 minutes
- Designed to comply with Mil-Spec standards
- Optional beacon tracking
- Optional De-Ice
- Manual drive tool kit for emergency situations
- High gain, low side-lobe, high accuracy and very good cross polar rejection (> 35 dB)
- Supports OpenAmip



GENERAL SPECIFICATIONS

Reflector Diameter	2.6m
Reflector Type	Circular, axially symmetric with 10 carbon-fiber panels, prime focus feed
Operation On-Air Time	~ 5 Minutes after Set-Up
Antenna Concept	Portable design with pedestal, trailer, tactical, tripod, mobile mounts.

RF CHARACTERISTIC

Polarization	Linear (optional circular)	
Feed Insertion Loss	Tx 0.8 dB	Rx 0.3 dB
VSWR	1.3:1	
Cross-Polar Isolation	35 dB	
G / T	28.5 dB/K	

OTHER FEED OPTIONS

		X-Band	Ka-Band
Frequency	Tx	7.90-8.40 GHz	27.50-31.00 GHz
	Rx	7.25-7.75 GHz	17.70-21.20 GHz
Gain	Tx	45.1 dBi @8.15GHz	55.8 dBi @30.00GHz
	Rx	43.5 dBi @7.50GHz	52.9 dBi @20.00GHz

MECHANICAL SPECIFICATIONS

	Azimuth	Elevation	Polarization
Drive Rates	0.3° /s	0.5° /s	0.5° /s
Antenna Travels	± 180° *	0° to 90°	± 90°
*: Antenna azimuth travel range is +/-180° when elevation is greater than 36°, Antenna azimuth travel range is +/-60° from local 150° when elevation is less than 36°			
Manual Override Mechanism	Manual override for elevation and azimuth drive system		
Mount Type	Elevation over Azimuth		
Operational Limits	Hardware and software settable		

ENVIRONMENTAL SPECIFICATIONS

Temperature	Operational	-30°C to +60°C
	Survival	-40°C to +70°C
Wind Speed	Operational	60 km/h (optional 72 km/h with pedestal mount)
	Survival	120 km/h (optional 150 km/h with pedestal mount)
Humidity (Relative)	0-100%	
Altitude	4000 m	

TURKEY

P : +90 216 540 72 57
M : sales@pals.com.tr
W : www.pals.com.tr

NETHERLANDS

P : +31 6 85 52 63 16
M : sales@pals-comsat.com
W : www.pals-comsat.com

