



STANDARD
MIL-STD
810

STANDARD
MIL-STD
461

STANDARD
MIL-STD
188-164

Size:

0.80m

PMA-80-MIL

Rapid Tactical Deployment

Engineered for swift field operation, the PMA-80-MIL features a tool-less modular pedestal enabling assembly in under 5 minutes. Its lightweight frame and ergonomic manual fine-tuning controls allow tactical operators to achieve automated satellite link acquisition effortlessly across remote environments.

Versatile Mission Adaptability

Designed to support dynamic mission profiles, this terminal integrates flexible multi-operating modes. Field-swappable modules, multi-band feed options, and a modem-agnostic architecture ensure seamless integration with defense networks while simplifying field maintenance.

High-Reliability Operational Performance

Powered by advanced positioning algorithms, the PMA-80-MIL guarantees instant satellite lock and rock-solid links. Featuring an intuitive Web GUI, ruggedized field interface, and comprehensive M&C functions, its fanless passive cooling delivers maximum reliability for high-bandwidth IP networking, secure VPNs, and HD video streaming.

Key Features

- Extra Compact and Fast
- AC / DC Power Source acceptable
- BB2590 MIL Battery Operation
- Auto - pointing or Assisted Manual Pointing
- Field Changeable Multi Band Feed options
- Ruggedized Display Screen GUI
- Modem Agnostic integrated M&C
- Fanless Silent IP67 ACU
- Backpack or Trolley Case options
- Toolless Manual override mechanism





GENERAL SPECIFICATIONS

Reflector Diameter
Reflector Type
Antenna Concept
Power Supply
Power Capability

PMA-80-MIL

0.8m Carbon - Fiber
Dielectric Back Feed Assembly
Segmented
220VAC 50Hz
100W 50W

RF CHARACTERISTIC

Frequency (GHz) Tx
Frequency (GHz) Rx
Antenna Gain (±0.2 dBi) Tx
Antenna Gain (±0.2 dBi) Rx
VSWR
Polarization
Axial Ratio (dB)
Tx/Rx Isolation (dB)
Antenna Pattern Compliancy

Ku-Band

13.75 - 14.50
10.70 - 12.75
39.00+20lg(f/14.25)
38.00+20lg(f/12.5)
1.5
Linear
35
85
ITU-R S.580-6.

Ka-Band

29.00 - 30.00
19.20 - 20.20
45.00+20lg(f/30)
41.40+20lg(f/20)
1.5
Circular
1.5
85
ITU-R S.580-6.

MECHANICAL SPECIFICATIONS

Antenna Motion Range
Antenna Drive Rate
Motor
Weight Ku-Band

EL Axis

0 - 90°
0.1° - 3° /s
DC Brushless Servo with Brakes
≤ 16.8KG (without BUC, LNB, packaging and accessories etc.)

AZ Axis

360°

Polarization

± 90°

ENVIRONMENTAL SPECIFICATIONS

Temperature Range Operational
Temperature Range Survival
Wind Speed Operational
Wind Speed Survival
Protection Grade
Solar Radiation

PMA-80-MIL

-40°C - +55°C
-50°C - +70°C
gusting 40 km/h with blance weight
gusting 65 km/h with with blance weight
IP65
1135W/m2

Specifications are subject to change.

