AN/ALQ-167

E/F-Band Jammer Group

The Rodale Electronics AN/ALQ-167 (E/F) is the updated version E/F-Band Jammer Developed for the NATO Multiservice Electronic Warfare Support Group (MEWSG). The upgrade modernized this EW System with higher power output and the addition of DRFM and Set-on Receiver capabilities. The pod is fully digitally controlled.

Frequency Coverage (Ghz) and Midband ERP... Forward and AFT Antenna Positions

- 2.5 - to - 3.8 (E/F-Band)
- 8.5 Kilowatt (69.3 dBm) Effective Radiated Power
- Polarization - Selectable

Man-Machine Interface with the Jammer

- Cockpit Control Panel .... Single Or Dual, Optional
- Notebook Computer .... IBM PC Compatible .... RS-422 Serial Data Bus
  - Pre-Program Sixteen Jammer Scenarios
  - Real-Time Control Of Jammer Parameters
  - Automated Diagnostic Testing With Printer Output
  - On-Board Recording of Time-Tagged EW Scenarios
- Aircraft Multi-Function Display (MFD) Via RS-422 Or 1553B Serial Data Bus
- Electronic Support Measures (ESM) Via RS-422 Or 1553B Serial Data Bus

Programmable Jamming Techniques

The below-listed noise jamming techniques, including various overlaid combinations, can be called-up during a mission (in-flight) without the need for re-configuration of the pod:
Noise Jamming

• SWPT
• SPT
• NCDB
• BCDB
• BAR
• NSAM
• BSAM
• Coherent Jamming utilizing a DRFM

Deception Jamming... Transponder Function

• MFR
• RSAM
• VGPO
• RGPO
• RD
• NBRN
• Set on Receiver providing Automatic Frequency Set-On-Jamming

Cockpit Control Panel Functions

• Jammer Scenario Switch… Selects One Of Sixteen Pre-Programmed Jamming Scenarios
• Transmit Command Switch… Three Positions… OFF/STBY/OPER
• FWD/AFT Switch… Selects FWD or AFT Antenna
• Pod Status Indicator Lights… STBY (Standby)… OPER (Operate)… FLT (Fault)

Power Input / Weights / Dimensions / Maximums

• POD… 115/200 VAC +/- 10 Percent, 3 Phase, 400 Hz… 10.0 Amps Per Phase
• POD… 175 Kg… Length 350 cm… Diameter 26 cm, Excluding Antennas, Fins & Hardback
• Cockpit Control Panel (Single)… 0.9 Kg… Height 6.7 cm… Width 15 cm… Depth 17 cm

Ram Air Cooled... Modular Configuration... Flight Certified... Options Available

• Technical Support
• Expansion Provisions
• Depot Maintenance
• Alternative 1553B Serial Data Bus
• Installation/Commissioning
• Internal Aircraft Fit Custom Designs
• Factory And On-Site Training
• Highly Reliable And Field Maintainable
• Spare Parts… Consumables, Components, Subassemblies