AN/ALQ-167 (G/I/J)

G/I/J Band and High J Band Jammer Group

The Rodale Electronics AN/ALQ-167 G/I/J Band and High J Band is the updated version G/I/J-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

- 5.25-to-10.5 (G/I/J-Band)
- 7.5 Kilowatt (68.8 dBm) Effective Radiated Power
- Polarization...Circular
- 9-18 GHz (High J Band)

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 jamming technique categories, including various overlaid combinations, can be called-up during a mission (in-flight) without the need for re-configuration of the pod (with the exception of the SOR function).
Noise Jamming

• SWPT
• SPT
• NCDB
• BCDB
• BAR
• NSAM
• BSAM

Deception Jamming… Transponder Function

• MFR
• RSAM
• VGPO
• RGPO
• RD
• NBRN

Coherent Jamming…. DRFM

SOR Function…. 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
• HORZ/VERT/TEST Switch …. Selects Horiz or Vert Polarization …. Momentary Test
• Pod Status Indicator Lights… STBY (Standby)… OPER (Operate)… FLT (Fault)… AFT

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
• Airborne Uninhabited Environment
• Special Test Equipment
• 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
G/I/J-BAND AIRBORNE JAMMER GROUP AN/ALQ-167 (G/I/J)