

## Rodale Electronics, Inc.

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# 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

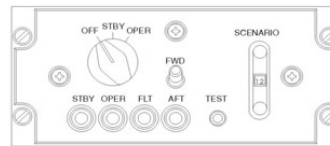
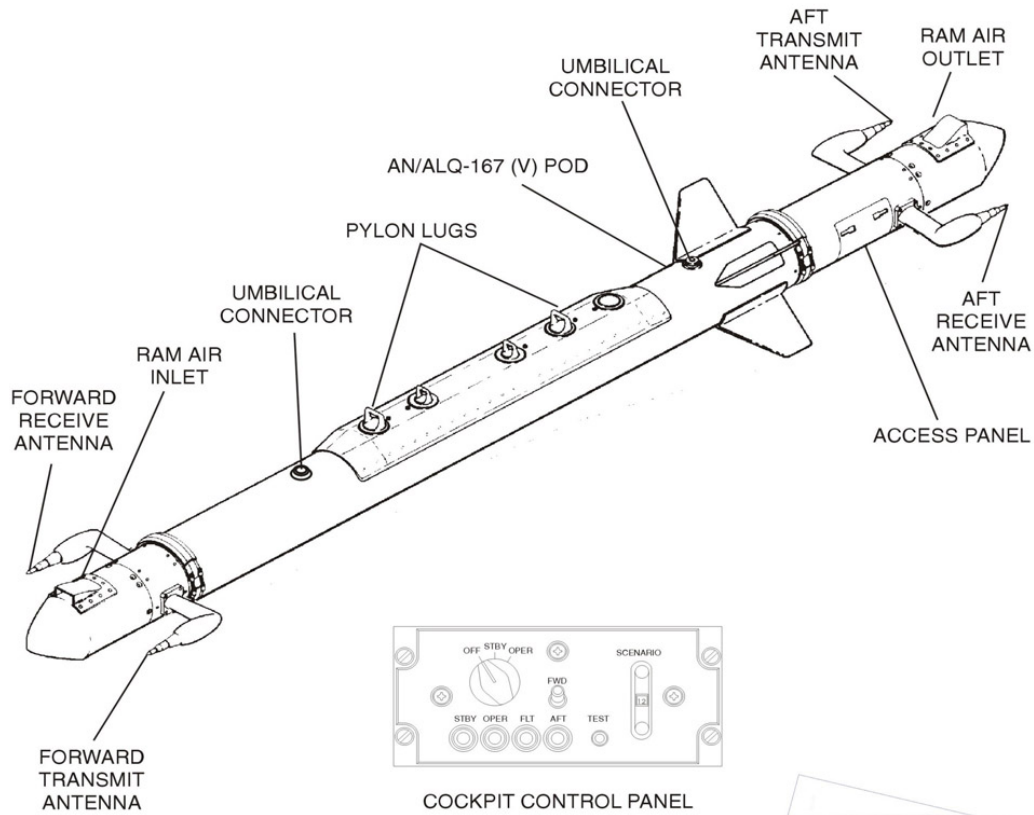
## Power Input / Weights / Dimensions.... Maximums

- 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)



COCKPIT CONTROL PANEL



NOTEBOOK COMPUTER

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