



G7613-01 shown (actual size)

G7613-() ADF Control Panel

GENERAL SPECIFICATIONS

Dimensions

- 2.625 (height) x 2.375 (width) x 5.370 (depth) inches, excluding rear connector

Weight

- 1.1 pounds (max)

Frequency/Channel Ranges

- The ADF frequency range is from 100.0 to 1799.5 kHz using 0.5 kHz spacing.
- The optional extended range is from 2100.0 to 2199.5 kHz using 0.5 kHz spacing.

Electrical Requirements

- Power (Including All Lighting) 28 VDC, 7.0 Watts (max)
- Panel/Display Lighting (Blue/White LEDs) 0 – 5 VAC/DC or 28 VDC

Connectors

- J1 Mating: MS3476L24-61SX or equivalent



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Color

- Front Panel – Non-reflective Gray FED STD 595b36118 or Black FED STD 595b37038
- Knobs – Non-reflective Black FED STD 595b37038
- Front Panel Markings – White FED STD 595b37875 (Futura Medium Condensed font)
- Push Buttons – Non-reflective Black FED STD 595b37038

Compliance

- RTCA/DO-160F (Environmental), RTCA/DO-178B (Software), RTCA/DO-179 (ADF)
- ARINC 429, ARINC 712, ARINC 720, ARINC 570

Certification

- TSO-C41d

Features

- First Minima Twisted Nematic (FMTN) LCD Display
- Blue/White LED display and panel lighting for higher reliability
 - White or amber color display and NVIS options available (variant dependent)
- Active frequency on the upper display, standby on the lower
- Single knob stack frequency selection
- Transfer button for active and standby frequency interchange
- ANT/ADF/TONE selection
- Optional BRG selection and display
- Optional OFF rotary position
- Optional VOLUME control
- CSDB tuning capable
- ARINC 429 tuning capable
- Parallel BCD tuning interface per ARINC 570 (for legacy ADF-60A and ADF-60B radios) – controls radio without a CAD-62 adapter
- 4 memory channels per mode
- Liquid splash-proof design
- Built-in-test (BIT) capability
- Flash technology to support bench-level reprogramming using a PC
- Non-volatile storage of front panel settings
- Modular design provides flexibility for custom layouts
- Modular construction contributes to economical maintenance
- MTBF (Calculated): 20,000 operating hours

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Proprietary Information
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