



G7612-01 shown (actual size)

G7612-() NAV/GLS 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 Range

Modes are selectable

- ILS/VOR (VHF NAV) - 108.00 MHz to 117.95 MHz (133.00 to 135.95 MHz added with extended range enabled)
- GLS (GBAS) - 20,000 to 39,999
- GLS (SBAS) - 40,000 to 99,999 (with extended range enabled)

Tuning

- ARINC 429 (ILS, VOR, GLS and/or DME)
- ARINC 410 (2x5) (ILS, VOR and/or DME)
- CSDB (ILS, VOR and/or DME)

Electrical Requirements

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

Connectors

- J1 Mating: MS3476L24-61S, or equivalent 61 pin connector



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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-160D (Environmental), RTCA/DO-178B (Software), RTCA/DO-189 (DME), RTCA/DO-192 (ILS), RTCA/DO-195 (ILS), RTCA/DO-196 (VOR), RTCA/DO-208 (GPS), RTCA/DO-253A (GPS/LAAS)
- ARINC 410, ARINC 429, ARINC 568, ARINC 709, ARINC 710, ARINC 711, ARINC 720, ARINC 755, ARINC 756

Certification

- TSO-C34e, TSO-C36e, TSO-C40c, TSO-C66c, TSO-C129a

Features

- First Minima Twisted Nematic (FMTN) LCD Display
- Green GLS indicator
- Blue/White LED display, panel and indicator lighting for higher reliability
 - White or amber color display and NVIS options available (variant dependent)
- Single knob stack for standby or direct active frequency selection
- Transfer button for active and standby frequency interchange
- Operates in ILS, VOR, GLS MMR modes
- Built-in-test (BIT) capability
- Flash technology to support bench-level reprogramming using a PC
- DME tuning capability
- Non-volatile storage of front panel settings and memories
- Modular design provides flexibility for custom layouts
- Modular construction contributes to economical maintenance
- Liquid splash-proof design
- 4 memory channels per mode
- CSDB capable
- ARINC 429 capable
- ARINC 410 capable
- MTBF: 20,000 operating hours



G7612-02



G7612-101



G7612-102

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Proprietary Information

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