



G7424-01 Radio Tuning Panel

GENERAL SPECIFICATIONS

Dimensions

- 2.610 (height) x 5.735 (width) x 5.5 (depth) inches, excluding rear connectors

Weight

- 2.0 pounds (max)

HF and VHF Frequency Ranges

- HF frequency range is 2.0 to 29.999 MHz (29.9999 if 0.1 kHz spacing is enabled)
- VHF frequency range is 118.00 to 136.97 MHz (136.990 MHz if 8.33 kHz spacing is enabled)

Electrical Requirements

- Power 28 VDC, 14.0 Watts (max)
- Panel Lighting* (White LEDs) 5 VAC variable
- Indicator Lighting* (White LEDs) 26.5/12 VDC dimming voltage

* Minimal current required – only used for brightness level monitoring

Connectors

- J1 Mating: M83723-75R-2041N, or equivalent 41 pin connector
- J2 Mating: M83723-75R-1624N, or equivalent 24 pin connector



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Color

- Front Panel – Boeing Brown BAC #8328
- Knob – Boeing Beige BAC #8925
- Front Panel Markings – White FED STD 595b37875 (Futura Medium and Futura Medium Condensed font)
- Push Buttons – Boeing Brown BAC #8924

Compliance

- RTCA/DO-160D (Environmental), RTCA/DO-163, RTCA/DO-178B (Software), RTCA/DO-186A, RTCA/DO-224A
- ARINC 429, ARINC 716, ARINC 719, ARINC 720, ARINC 724B, ARINC 750, ARINC 753
- Boeing D6-52191-1 Rev C

Certification

- TSO-C31d, TSO-C32d, TSO-C37d, TSO-C38d

Features

- 8.33 kHz capable
- Frequency/channel keypad entry
- Frequency/channel cross tuning
- VHF and HF radio status monitoring
- VDL Modes 0, A, 2 capable
- Voice mode protection capable
- VHF C/R VDL Modes 0, A data capable
- VHF L/C/R VDLM2 data capable
- VHF COMM test
- VHF C, HF L, HF R absent discretes
- Cross side radio tuning indication
- Dual HF L/R data link capable
- Dual HF RF sense control
- HF AM/SSB modulation control
- HF 0.1 kHz spacing capable
- High contrast LED backlit LCD
- Non-volatile storage of front panel settings
- Built-in-test (BIT)
- Modular construction contributes to economical maintenance
- Liquid spill-proof design
- Reliable switch design (one million actuations)
- White LED display and panel lighting for higher reliability
- MTBF (Calculated): 22,000 operating hours

Gables Engineering Inc.

247 Greco Avenue, Coral Gables, Florida 33146
Tel: (305) 774-4400 ♦ Fax: (305) 774-4465
www.gableseng.com

Proprietary Information
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