

Model 245

Speaker Amplifier



MODEL 245

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The Model 245 is a Speaker Amplifier capable of driving a 4-ohm cockpit speaker. 18W into 4 ohms; 25W into 8 ohms. With higher output and less distortion, it is intended to be a direct form, fit, and functional replacement for the Collins model 356F-3.

FEATURES

- Lightweight and compact
- Suitable for cabin paging, cockpit speaker, or music applications
- Accepts differential & single-ended inputs
- Over-temp & over-current protection
- Improved immunity to electrical interference
- Low output distortion: <1%

Electrical

Power Supply: 2.5 amps max @ 27.5Vdc
A 5 A circuit breaker is recommended

Input: 7.75 Vrms into 600 ohms

Speaker Output: 18 watts into 4 ohms @ <1% distortion
25 watts into 8 ohms @ <1% distortion

Output Noise: -70 dB below 10 watts

Environmental

Temperature: -67° to +158°F (-59° to +70°C)
Altitude: 70,000 feet

Mechanical

Height: 2.12" (5.38 cm)
Width: 3.60" (9.14 cm)
Length: 3.00" (7.62 cm) max, excluding flanges
3.85" (9.78 cm) max, including flanges
Weight: 0.60 lb. (0.27 kg)

Product Approval

FAA: TSO-C50c, RTCA DO-214

Compliance

DO-214, DO160C, TSO-C50c
Env. Cat: : [A2F2]-BA(CL)XXXXXXZ(BZ)AAATZ(XXC2)XX



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