



# 245

## Speaker Amplifier

### PRODUCT FEATURES

#### 245 Speaker Amplifier

The 245 is a Speaker Amplifier capable of driving a 4 ohm cockpit speaker. With a higher output (18 watts into 4 ohms; 25 watts into 8 ohms) and less distortion, the 245 Speaker Amplifier 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 and single-ended inputs
- Over-temp and over-current protection
- Improved immunity to electrical interference
- Low output distortion: <1%



### Technical Specifications

#### Electrical

Power supply:	2.5 amps max @ 27.5Vdc 5 amp circuit breaker 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

#### 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 including flanges
Weight:	0.60 lb. / 600 g

#### Environmental

Temperature:	-67° to 158° F -55° to 70° C
Altitude:	70,000 ft. / 21,336 M

#### Compliance

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

#### Product Approval

FAA: TSO-C50c, RTCA DO-214