

DA-33

.5 to 300 MHz Distribution Amplifier



○ Features & Benefits

- Ultra-Wide VHF Distribution Amplifier 0.5 to 300 MHz
- AM, Shortwave and VHF TV Coverage
- Push-Pull Hybrid Amplifier Design
- Lightning and Surge Protected

The DA-33 is a professional quality, wideband distribution amplifier. This amplifier is designed for a variety of applications, including signal level meter preamplifier for making FCC required signal leakage measurements, sub-band return amplifier and special purpose amplifier for use aboard ships to provide coverage of the AM, shortwave, and communication bands. The DA-33 amplifies signals in the 0.5 to 300 MHz frequency range, has 36 dB of gain and 18 dB gain control range. This amplifier is housed in an aluminum case and operates on standard 117 VAC power.

○ Specifications

RF

Frequency Range: 0.5-300 MHz
Channel Loading: 22
Flatness: ± 1.00 dB
Gain: 36 dB
Noise Figure (a): 5.5 dB
Output Level - Max: +50 dBmV
Gain Control Range: 18 dB
Slope - Fixed: NA
Composite Triple Beat - CTB (b): -68 dB
Cross Modulation - XMOD (b): -61 dB
Composite Second Order - CSO (b): -72 dB
Hum Modulation: -60 dB
Impedance - All Ports: 75 Ω
Return Loss
Input: 16 dB
Output: 12 dB

General

Power Requirements
Voltage: 117, $\pm 10\%$ VAC
Frequency: 60 Hz
Temperature Range: 0 to +50 $^{\circ}\text{C}$

Mechanical

Dimensions (LxWxD):
8.75 x 5.25 x 3.75 in
222 x 133 x 95 mm
Weight: 4.0 lbs. (1.82 kg)

Controls (Top Panel)

Gain: Control

Indicators

Power ON: Neon Bulb

Connectors (Top Panel)

RF Input: Type "F", female
RF Output(s): Type "F", female

Notes

- (a) Measured at full gain with 0 dB slope.
(b) At rated output capability and channel loading.

○ Ordering Information

Model	Stock No.	Description
DA-33	4675	Wideband Amplifier 0.5-300MHz