

Distributed Audio Transformer Module 40 Watts

Model
NQ-GAXMR1



Description

Bogen's Distributed Audio Transformer Module provides impedance and voltage matching and is primarily designed for use with Bogen's low-impedance (4-ohm/8-ohm), PoE-based, integrated amplifier modules (NQ-GA10P, NQ-GA10PV, or NQ-GA20P2) when the user needs to connect to one or more 25V or 70V transformer tapped speakers. While the NQ-GAXMR1 can also be used with other low power, low-impedance, Class D amplifiers, it's important to note that any such amplifier must be capable of setting a high-pass (low-cut) filter at a minimum of 50Hz to prevent distortion that can occur due to transformer saturation.

NOTE: The NQ-GAXMR1 cannot be used for intercom applications with devices like the NQ-GA10P or NQ-GA10PV.

Features

- 40-watt maximum load capacity
- 1 two-pin pluggable Phoenix style input connector
- 1 three-pin pluggable Phoenix style output connector
- 25V and 70V audio outputs (only one output can be used at a time)
- Integrated mounting flanges (4 thread forming M4 x 6mm screws included)
- Listed to UL Standard EN62368-1:2014 for U.S. & Canada
- Five (5) year limited warranty

Technical Specifications

- **Power Rating (RMS):**..... 40 watts (max.)
- **Frequency Response:**..... 50 Hz to 15 kHz, +/-3 dB
- **Distortion:** 0.02%, 10 W, 50 Hz - 20 kHz
- **Inputs/Outputs:**
 - Input Voltage: 17.9 V_{rms} max.
 - Input Current: 2.24 A_{rms} max.
 - Output Tap 1 Voltage: 70.7 V_{rms}
 - Output Tap 1 Current: 566 mA_{rms}
 - Output Tap 2 Voltage: 25 V_{rms}
 - Output Tap 2 Current: 625 mA_{rms}
- **Operating Temp Range:** 0 °C to 40 °C
- **Dimensions:**..... 5-1/2" W x 6-1/2" H x 3-1/2" D
- **Shipping Weight:**..... 2.2 lbs.