

Technical Information

Audio Input Level
0 - 3.5 V RMS

Audio Output Level
0 - 6 V RMS, 10 k Ω load

Eq Input Level
0 - 2.1 V RMS

Eq Output Level
0 - 6 V RMS, 10 k Ω load

Audio Distortion
 $\leq 0.1\%$ at full output

Connectors
Four (4) RCA (phono) jacks, inputs and outputs

Muting Function
Muting slave

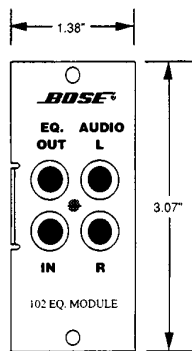
Mute Attenuation Level
-26 dB

Accessories (included)
Two (2) 4-40 machine screws
12.5 inch stereo RCA plug interconnect cable

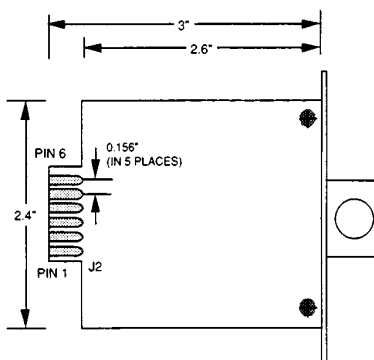
Packed
1 per carton

Warranty Information

The Bose® 102® Equalizer Module (102 EQM) is covered by a two-year, transferable limited warranty.



Front View



Side View

Application Note

The 102 EQM has been designed for use with the Bose 102 speaker in combination with TOA 900 and Peavey MA type commercial amplifiers. Use of this module with any other equipment may result in serious damage.

Note: At the time of publication, these amplifiers are known to work with the 102 EQM. If you have a question on the compatibility of any other amplifier, please contact Bose. Call (508) 879-7330, and ask for Professional Products.

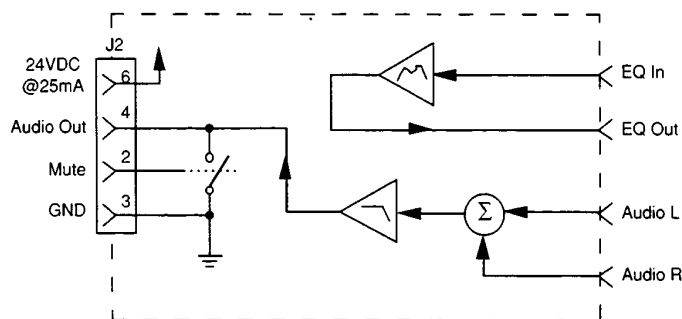
BOSE®

Bose 102 Equalizer Module

Description

The Bose 102 Equalizer Module (102EQM) provides a simple, cost-effective active equalization alternative to the 102-C System Controller. It is specifically designed to be used in commercial type modular amplifiers which accept 6-pin edge-conductor plug-in circuit boards, such as TOA 900 and Peavey MA amplifiers. It is intended to be used only with the actively-equalized Bose 102 Commercial loudspeaker components, either the flush mount (102F) or surface mount (102S) versions. The module provides system equalization from all inputs on the amplifier, and includes stereo (summed to mono) unbalanced audio inputs. The audio output is muted whenever the amp muting bus is shorted to ground.

The 102 EQM is not intended to replace the 102-C System Controller. Both units provide the proper active equalization for Bose 102 Commercial loudspeakers. However, the 102-C is a two-channel active equalizer with many additional features, such as Opti-voice® page muting circuitry, sensitivity adjust, independent microphone equalization, and mic/line input and pre-amp. Therefore, the 102 EQM makes feasible the use of the Bose 102 Commercial loudspeaker system in applications where the additional features of the 102-C System Controller are not necessary.



Functional block diagram of 102 equalizer module