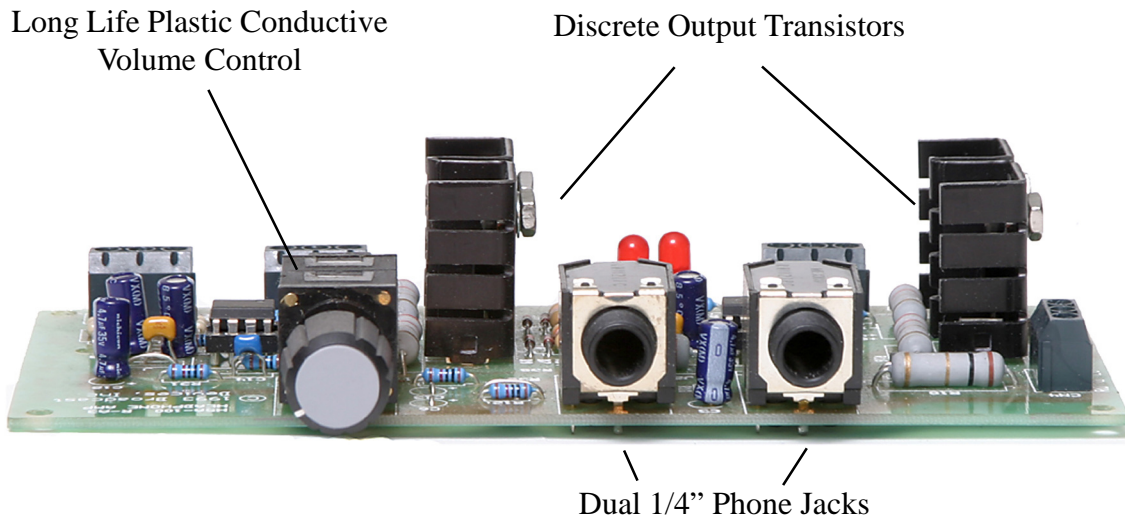


The HSA-100 Headphone Amplifier Module



The HSA-100 Headphone Amplifier Module from BDI is a balanced/unbalanced input discrete transistor output headphone amplifier with high quality features not found in similar products offered. Input sensitivity is adjustable so that -10 to +8 dBm nominal signals can be accommodated with no loss of headroom. Volume is controlled by a long life plastic conductive attenuator. The output transistors used are TO-220 types that are normally found in expensive power amplifiers. The outputs are short circuit protected to prevent damage. The HSA-100 is now being offered as a PC board without case, front panel or power supply. Of course we offer a case and front panel version and we also offer a heavy duty power pack as options. We supply a mounting template with every HSA-100 so drilling holes in a panel for mounting is simplified.

Technical Specifications

Input Sensitivity:	-10, 0, +4 or +8 dBm adjustable
Input impedance:	10K Balanced or unbalanced
Dynamic Range:	80 dB with volume control full open
Frequency Response:	+/- 0.25 dB from 20 Hertz to 20 KHz
Total Harmonic Distortion:	0.03% at 6.5 VRMS into 8 ohm load at 100 Hertz
Output Impedance:	8 ohms unbalanced and short circuit protected
Output connector:	2 - 1/4" phone jacks on front 1 - 3 position connector on side
Power Requirement:	+/- 15 VDC @ 300 mA - optional power pack available



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