



### DESCRIPTION

The Altec N1285-8B is a crossover network designed for use in commercial loudspeaker systems. It combines **low distortion, high power handling, low losses**, and a large degree of versatility in an extremely durable package.

The N1285-8B is a dual section 12 dB per octave crossover network, with selectable 500, 800 or 1200 Hz crossover frequency. An attenuator section offers either mid-range equalization for the high frequency driver, or overall high frequency level control. Impedance is 8 ohms nominal when used with 8-ohm resistive or loudspeaker loads.

While many passive crossover networks are designed with load resistors, the N1285-8B was developed primarily using loudspeakers as loads. Thus crossover frequency, power handling and frequency response are very predictable in real

life loudspeaker applications. The attenuator section allows level control of only the mid-range band, a useful feature when using constant directivity devices. The mid-range adjustment feature may be bypassed to permit attenuation of the high frequency band; this is most useful when using conventional type high frequency devices.

The N1285-8B was developed with high power applications in mind. Integral inductors provide very linear operation due to their large size, low resistance and excellent heatsinking capability. All capacitors provide excellent reliability under heavy current demands. Thermal design of the N1285-8B allows it to handle large amounts of power even when the level control introduces considerable attenuation.

## SPECIFICATIONS

<b>Type:</b>	Dual section LC passive crossover network with attenuator for high frequency output, switchable to mid-range equalization.
<b>Power Rating:</b>	200 watts <sup>1</sup>
<b>Crossover Frequency:</b>	500/800/1200 Hz, selectable via rear panel jumpers
<b>Slope:</b>	12 dB per octave
<b>Impedance:</b>	8 ohms
<b>High Frequency Shelving:</b>	"L" Pad, continuously variable from 0 dB to approximately 20 dB
<b>Connections:</b>	
<b>front panel—</b>	5-way binding posts
<b>rear panel—</b>	screw terminals for input, LF output, HF output

## Recommended Complimentary Components:

900 Series, 1-inch throat Compression Drivers.  
200 Series 1.4-inch throat Compression Drivers.  
Altec Sectoral and Mantaray Horns for 1-inch throat Compression Drivers.  
Altec Multicell and Mantaray Horns for 1.4-inch throat Compression Drivers.  
515-G Series Low Frequency Horn Drivers.  
816, 817, 828, and 210/211 Vented Horn Enclosures.  
3000/8000 Series Low Frequency Direct Radiator Loudspeakers and Cabinets.

## Finish:

Flat black

## Dimensions:<sup>2</sup>

4½" (11.4 cm) H  
7½" (19.1 cm) W  
9⅝" (24.45 cm) D

## Weight:

4 pounds (1.82 kg)

<sup>1</sup>Measured E2/R with pink noise bandlimited from 20 to 2000 Hz.

<sup>2</sup>All mounting holes and cutouts are the same as for the Altec N1285-8A, N1209, and N8500, which this unit replaces.

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The network shall be the dual section LC, passive, frequency-dividing type with equalization and impedance correction, having 12 dB per octave slope. Power rating shall be 200 watts when used with recommended Altec loudspeakers and enclosures. Crossover shall be selectable at 500, 800 and 1200 Hz. Impedance shall be 8 ohms. The network shall include a vari-

able "L" pad for shelving adjustment from 0 dB to approximately 20 dB attenuation. Dimensions shall be 4½" high, 7½" wide and 9⅝" deep. Weight of the network shall be 4 pounds.

The dividing network shall be the Altec Lansing Model N1285-8B.



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