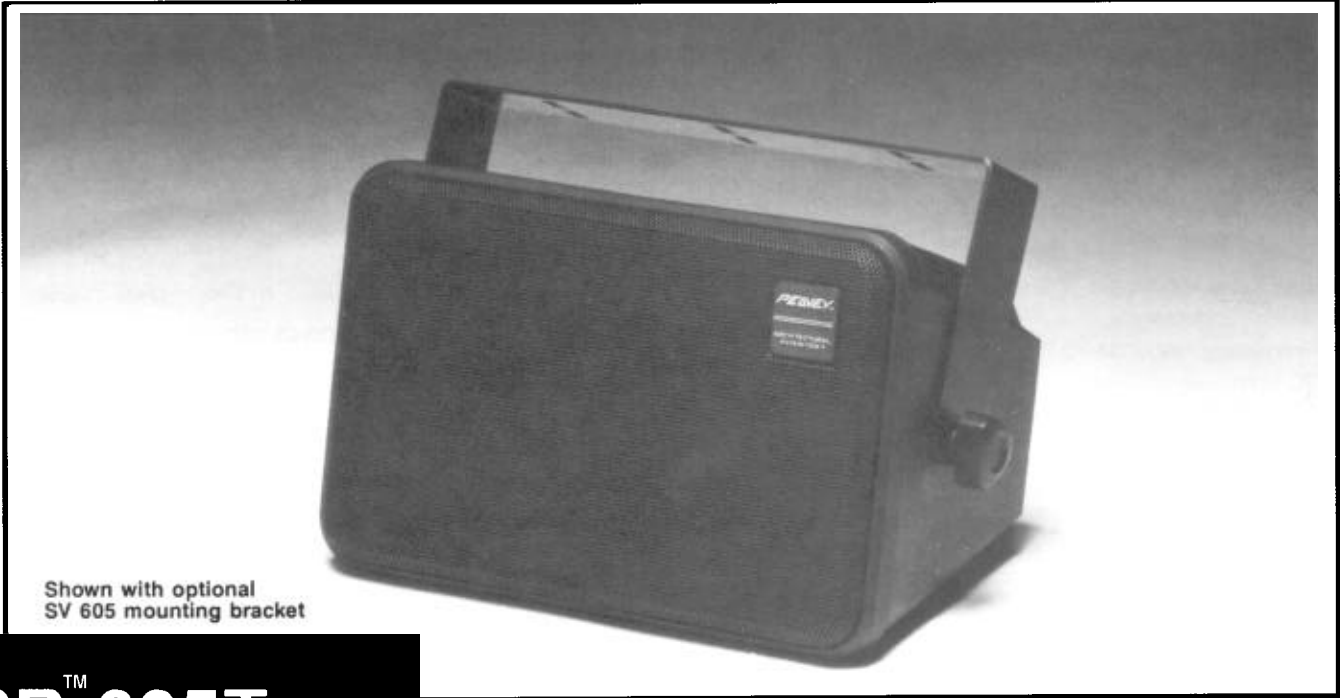


SPECIFICATIONS



Shown with optional SV 605 mounting bracket

PRTM 605T Mini Two-Way System

SPECIFICATIONS

Enclosure:

PRTM 605T

Frequency Response:

70 Hz - 20 kHz ± 3 dB

Low Frequency Limit (-3 dB point):

70 Hz

Useable Low Frequency Limit (-10 dB point):

50 Hz

Power Handling:

Power Rating: 10 W, 5 W, 2.5 W, or 1.25 W depending on tap selected (Ref. 70 V amplifier output)

Sound Pressure Level

1 Watt at 1 Meter Swept Sine Input in Anechoic Environment:

83 dB

Maximum Sound Pressure Level:

94 dB

Radiation Angle Measured at -6 dB Point of Polar Response

Horizontal Plane	Vertical Plane
500 - 1.6 k	500 - 1.6 k
150° \pm 20°	130° \pm 20°

1.6 K - 5 k
135° \pm 30°
5 K - 16 k
100° \pm 30°

1.6 K - 5 k
115° \pm 15°
5 K - 16 k
95° \pm 30°

Directivity Factory Ro (Q) 500 Hz - 16,000 Hz Median:

3.0; +8.5, -7

Directivity Index Di 500 - 16,000 Hz Median:

4.7 dB; +5.9 dB, -1.1 dB

Transducer Complement:

One 5¼" special design woofer
One 1" soft dome tweeter

Box Tuning Frequency (Fbox):

Sealed box resonance: 88 Hz

Harmonic Distortion:

One Watt
2nd Harmonic: 100 Hz - 2.0%
1,000 Hz - .20%
3rd Harmonic: 100 Hz - .79%
1,000 Hz - .45%
Five Watts
2nd Harmonic: 100 Hz - 3.2%
1,000 Hz - .22%
3rd Harmonic: 100 Hz - 1.0%
1,000 Hz - .50%

Crossover Frequency:

3.0 kHz

Crossover Type:

Passive internal

Crossover Slope:

12 dB/oct (2nd order) high and low pass

Input Connections:

Screw terminals

Enclosure Materials and Finish:

Black molded polypropylene cabinet with textured finish, black perforated metal speaker grille.

Mounting:

Flying via four threaded inserts compatible with VersamountTM 35 hardware or via two threaded inserts compatible with a Peavey SVTM 605 mounting bracket (hardware not included)

Dimensions:

7½" W x 11½" H x 6½" D

Optional Accessories:

SV 605 mounting bracket
Versamount 35 mounting bracket

Net Weight:

6 lbs.

Additional Remarks:

Tweeter is cooled with ferrofluid, and speaker has hi-fi voicing and clarity

PEAVEY[®]
ARCHITECTURAL ACOUSTICS[®]

FEATURES

- Hi-fi sound character
- 5¼" special design woofer
- Molded polypropylene cabinet
- Six threaded inserts
- Slots to allow interlocking of additional units
- Weather resistant for outdoor use
- Drivers protected by a metal grille
- Small and lightweight with an unobtrusive appearance
- Frequency response 70 Hz to 20 kHz
- SPL: 83 dB at 1 W / 1 m

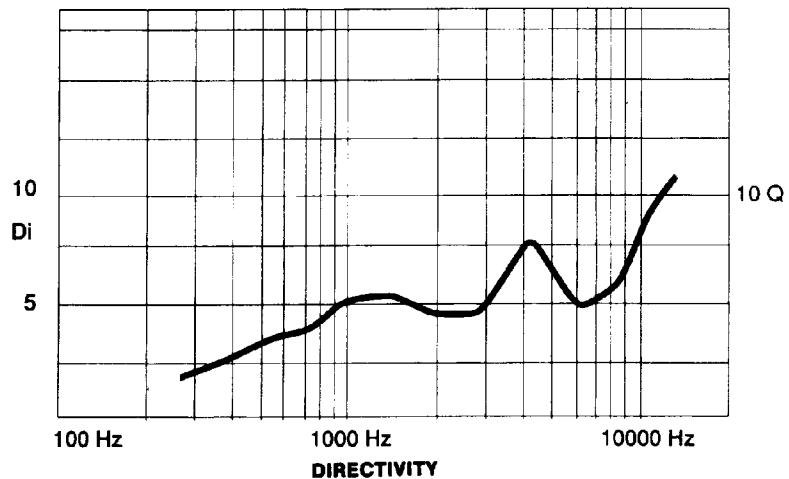
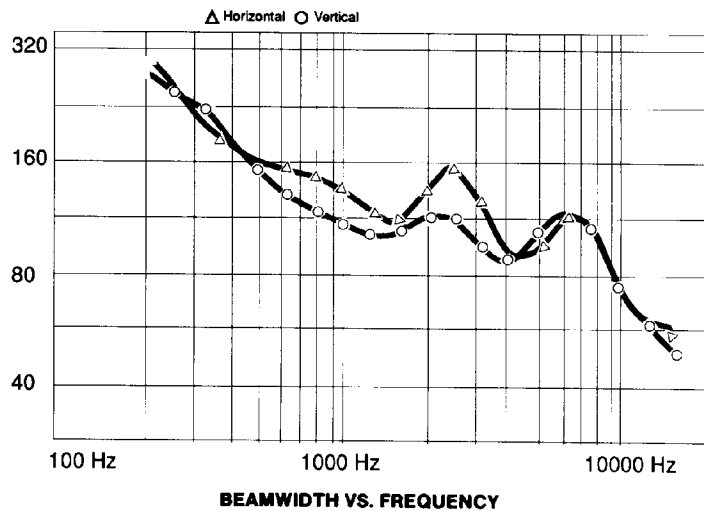
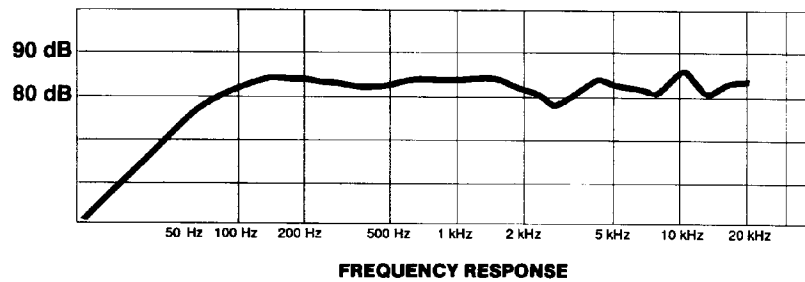
DESCRIPTION

The PR 605T is a mini two-way system with a hi-fi sound character brought about via a driver complement consisting of a 1" dome tweeter and a special design 5¼" woofer. The unobtrusive and highly practical molded trapezoidal cabinet is fitted with six threaded inserts allowing compatibility with Versamount 35 hardware or the Peavey SV 605 mounting bracket. With the unique interlocking slots on either side of the trapezoidal enclosure, arrays and multiple unit installations are simplified.

Incorporated into the PR 605T is a 70 V line distribution transformer. This transformer has taps at 10 W, 5 W, 2.5 W, and 1.25 W. These qualities combine to offer unmatched versatility for use in background music systems in bars, taverns, arenas, lounges, arcades, or anywhere a multi-channel/ multi-speaker sound system is required. Ideal for these venues, these high-impact polypropylene cabinets are nearly indestructible. A perforated metal grille protects the drivers from being tampered with by establishment clientele. Both the drivers and the cabinet are weather resistant, facilitating outdoor use and installations. The performance extends from 70 Hz to 20 kHz in frequency response with an efficiency of 83 dB at 1 m with 1 W input.

DIRECTIVITY

Beamwidth and directivity factors are derived from the -6 dB points from the polar plots which are measured in a whole space anechoic environment.



These are specifications which provide a reference to the coverage characteristics of the enclosure. These parameters provide insight for proper enclosure placement and installation in the chosen environment. The blending of the components of the PR 605T exhibits a desirable beamwidth and directivity factor suitable for all high-level sound reinforcement applications.

FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given enclosure reproduces an input signal. The frequency response of the PR 605T is measured at 1 meter using a 2 V swept sine input. The selected drivers in the PR 605T combine to give a smooth frequency response from 70 Hz to 20 kHz.

HARMONIC DISTORTION

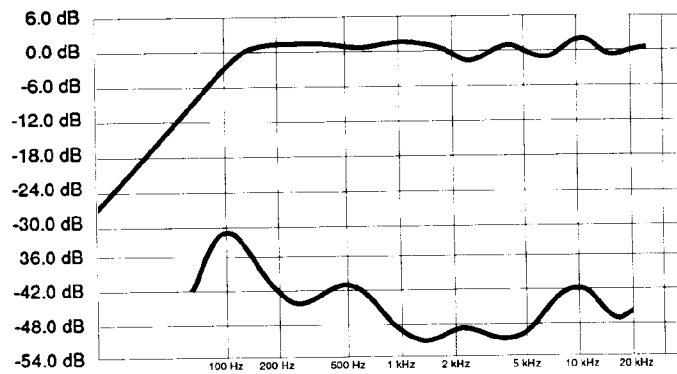
Second and third harmonic distortion vs. frequency is plotted in two power levels: one tenth of rated input power and either one one hundredth of rated input power or 1 Watt, whichever is higher. Distortion is read from the graph as the difference between the fundamental signal and the desired harmonic. As an example, distortion that is 40 dB down from the fundamental signal is equivalent to 1% distortion.

MOUNTING

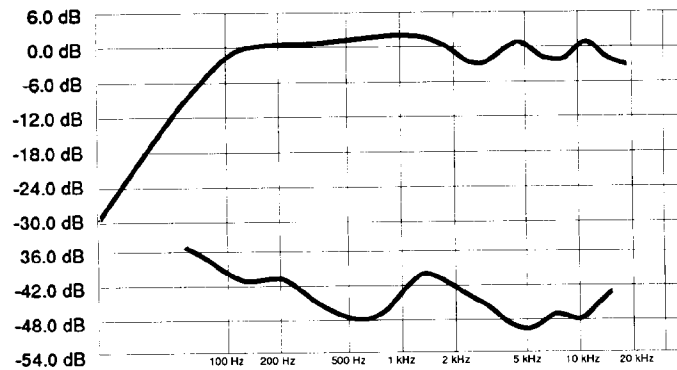
The PR 605T can be mounted using a Peavey Versamount 35 or SV 605 mounting bracket. No more than three interlocked PR 605T units should be suspended from a single Versamount 35, and no more than one unit from an SV 605 mounting bracket.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

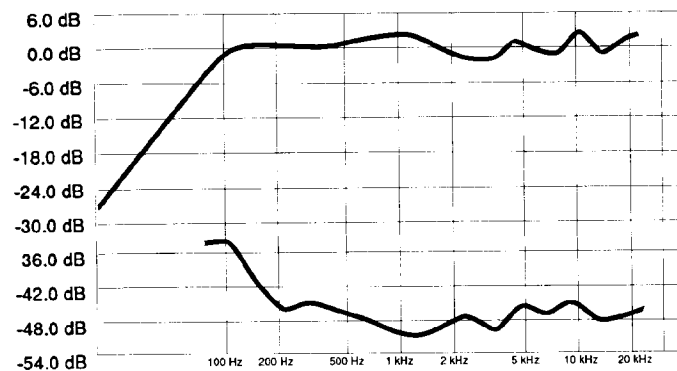
The loudspeaker system shall have an operating bandwidth of 70 Hz to 20 kHz. The output level shall be 83 dB when measured at a distance of one meter with an input of one watt. The outside dimensions shall be 7½" W x 11½" H x 6½" D. The weight shall be 6 lbs. The loudspeaker system shall be a Peavey Architectural Acoustics Division model PR 605T.



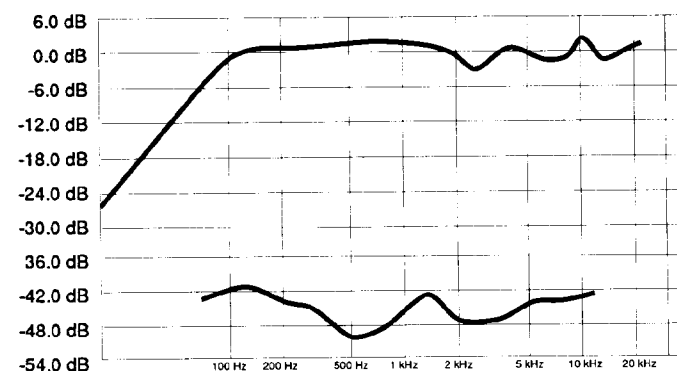
2nd HARMONIC 5 W



3rd HARMONIC 5 W

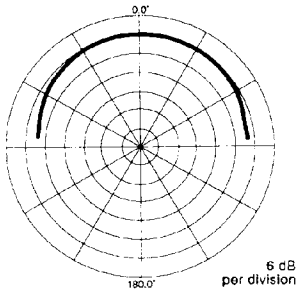


2nd HARMONIC 1 W

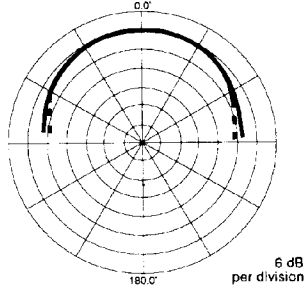


3rd HARMONIC 1 W

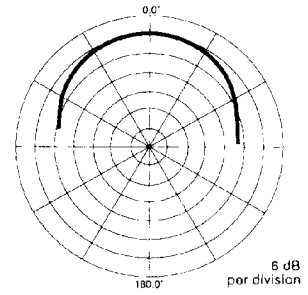
HORIZONTAL



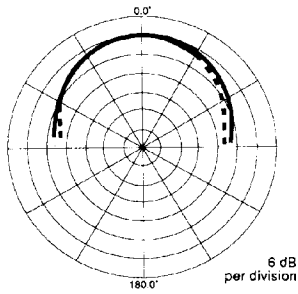
— 250 Hz
- - - 315 Hz



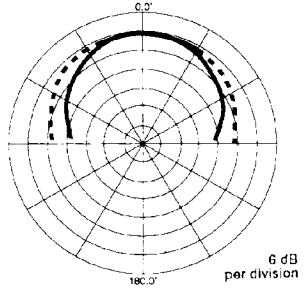
— 400 Hz
- - - 500 Hz



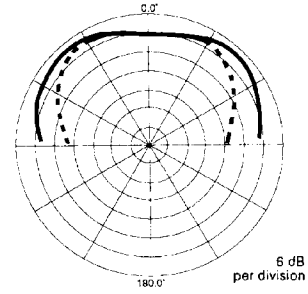
— 650 Hz
- - - 800 Hz



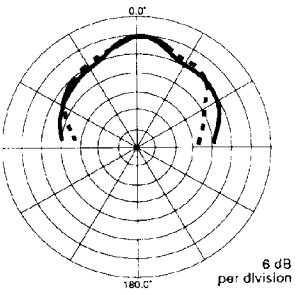
— 1,000 Hz
- - - 1,250 Hz



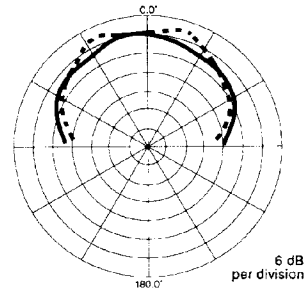
— 1,600 Hz
- - - 2,000 Hz



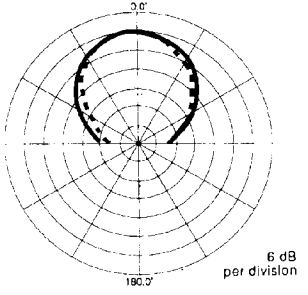
— 2,500 Hz
- - - 3,150 Hz



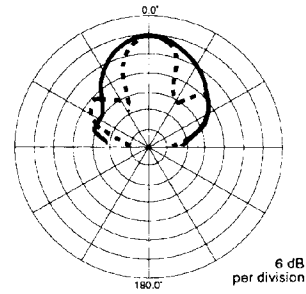
— 4,000 Hz
- - - 5,000 Hz



— 6,300 Hz
- - - 8,000 Hz

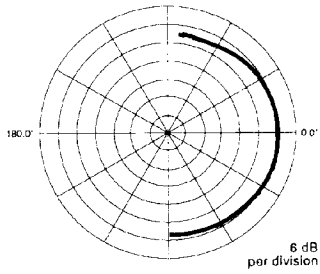


— 10,000 Hz
- - - 12,500 Hz

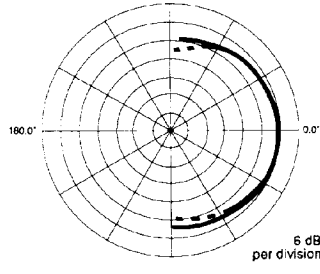


— 16,000 HZ
- - - 20,000 HZ

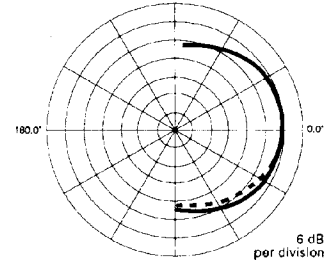
VERTICAL



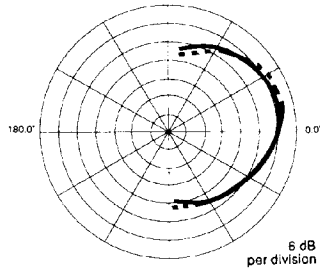
— 250 Hz
- - - 315 Hz



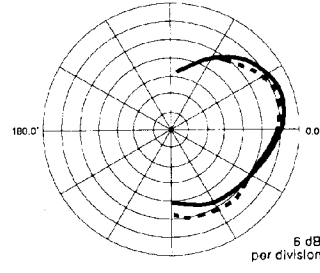
— 400 Hz
- - - 500 Hz



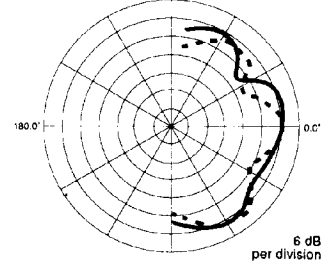
— 650 Hz
- - - 800 Hz



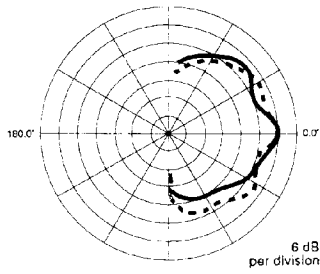
— 1,000 Hz
- - - 1,250 Hz



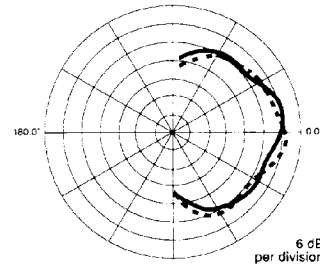
— 1,600 Hz
- - - 2,000 Hz



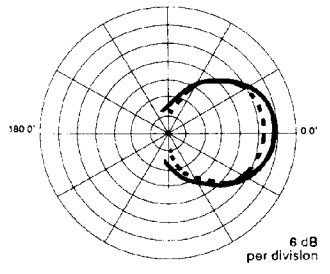
— 2,500 Hz
- - - 3,150 Hz



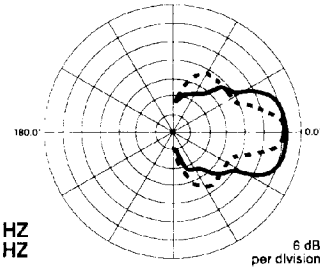
— 4,000 Hz
- - - 5,000 Hz



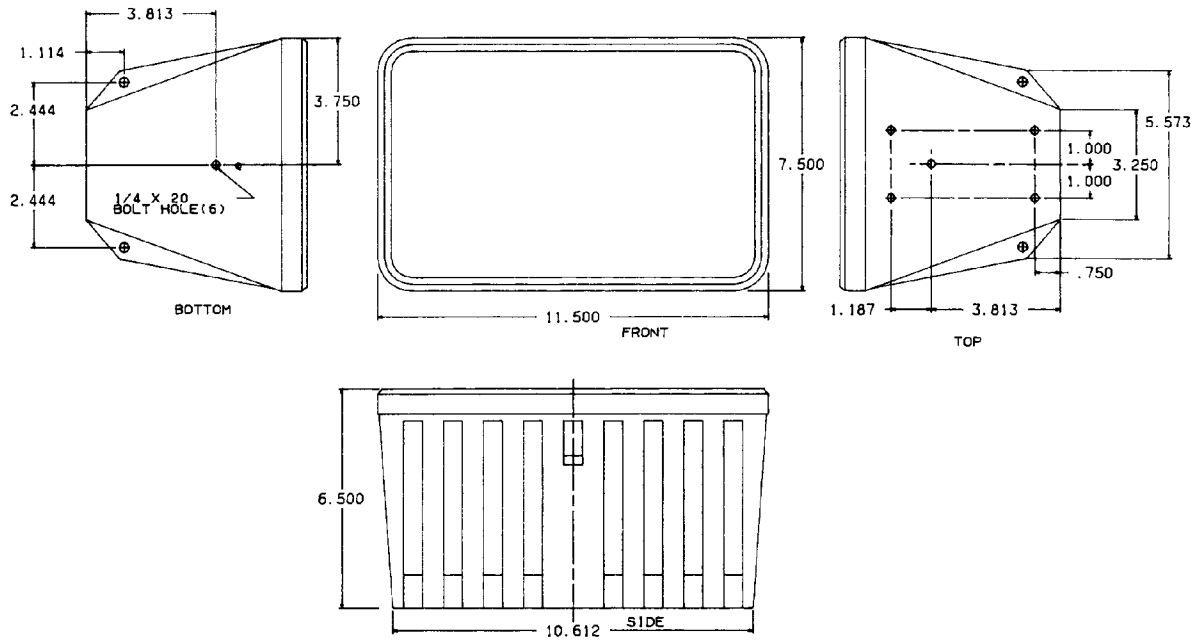
— 6,300 Hz
- - - 8,000 Hz



— 10,000 Hz
- - - 12,500 Hz



— 16,000 HZ
- - - 20,000 HZ



LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics® product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified, Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States.

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