SPECS

PEAVEY ELECTRONICS

Model 14XT™
High Frequency Compression Driver

SPECIFICATIONS

THROAT PARAMETER:
1" (25 mm)

NOMINAL IMPEDANCE:
8 Ohms

MINIMUM IMPEDANCE:
7.1 Ohms

DC RESISTANCE:
6.8 Ohms

POWER CAPACITY 1,000 Hz to 20,000 Hz:
100 Watts peak power
50 Watts program
25 Watts continuous

SENSITIVITY:
102 dB SPL 1 Watt at 1 meter on-axis on a 90 H x 45 V horn

NOMINAL EFFICIENCY:
30%

FREQUENCY RESPONSE:
1 kHz to 18,000 Hz

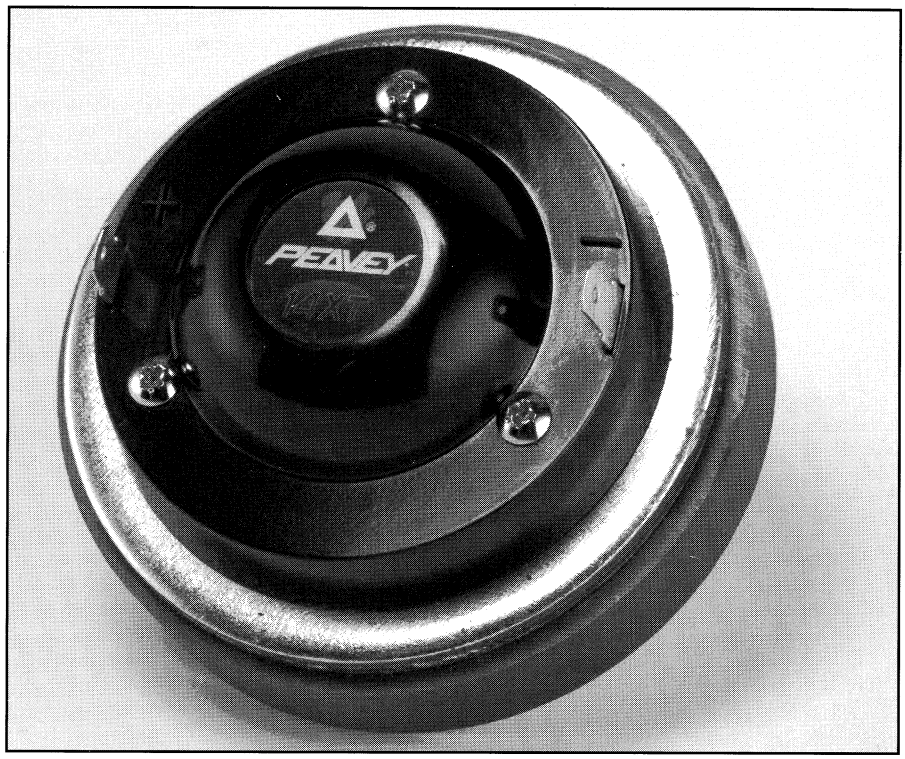
RECOMMENDED CROSSOVER:
1,800 Hz at 12 dB/Octave

LOWEST RECOMMENDED CROSSOVER:
1,000 Hz at 12 dB/Octave

DIAPHRAGM:
Commercially pure titanium

VOICE COIL DIAMETER:
1.4" (35.5 mm)

VOICE COIL MATERIAL:
Edge-wound ribbon with a high temp kapton bobbin



FLUX DENSITY:
11,500 gauss (1.15T)

DIMENSIONS:
3.500" (91.44 mm) diameter x
2.75" (69.85 mm) depth

HORN COUPLING DIAMETER:
7/8" (22.2 mm)

HORN COUPLING THREADS:
Standard 1 3/8" – 18"

NET WEIGHT:
33.3 oz.

SHIPPING WEIGHT:
37 oz.

DESCRIPTION:
The 14XT is a high frequency compression driver designed to operate between the frequencies of 1,000 Hz to 18 kHz and can handle 100 Watts of peak power.
The 14XT is designed with a solid, one-piece titanium diaphragm, a 1.4 inch voice coil and a high temperature kapton coil former.
The one-piece titanium diaphragm, in conjunction with the edge wound voice coil, reduces the moving mass extending the high frequency response of the driver. The high temperature kapton coil former allows the driver to reach 100 Watts of peak power while the large magnet structure wicks the heat away from the voice coil.
Every 14XT driver is subjected to a complete series of computer-based tests designed to ensure total adherence to specifications.
The 14XT was designed to improve system performance, reliability and power handling.
Peavey is proud to introduce the all new 14XT to its line of high performance compression drivers.

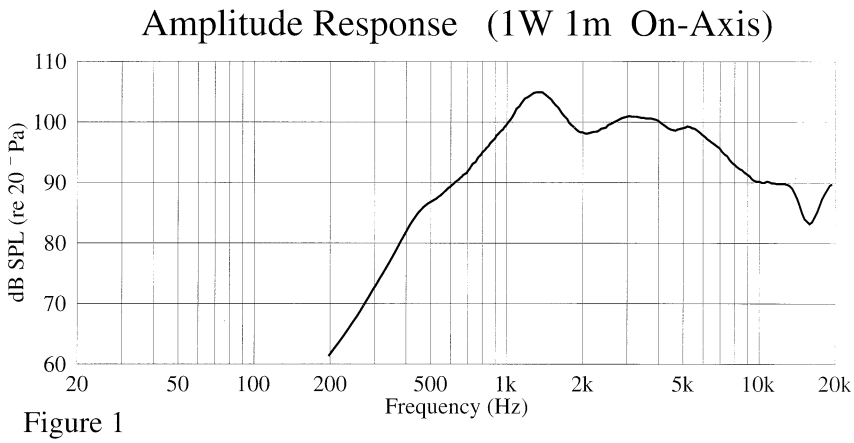
APPLICATIONS:
The 14XT has been designed and engineered for use with Peavey horns. However, any horn may be used as long as it consists of a standard 1 3/8" — 18" standard thread coupling. The 14XT is an excellent choice for upgrading an older system with minimal expense.

DESIGNER NOTES:
The 14XT driver is designed for use between the frequencies of 1,000 Hz to 20 kHz. However, in our experience as crossover designers for commercial applications, optimum driver performance can be achieved if the engineer limits the crossover design to 1,800 Hz as compared to the 1,000 Hz lower limit of the driver.

INSTALLATION-DIAPHRAGM REPLACEMENT:
The 14XT diaphragm replacement kits are available from Peavey dealers and include complete gap cleaning instructions. (To prevent gap contamination by foreign materials, a failed diaphragm assembly should not be removed before a new diaphragm assembly is ready to be installed.)

ONE YEAR LIMITED WARRANTY NOTE:
For details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P.O. Box 2898, Meridian, Mississippi 39301-2898.

14XT Graphics



Measured on Peavey CH® 3 Horn
Part# 00077000

Figure 1

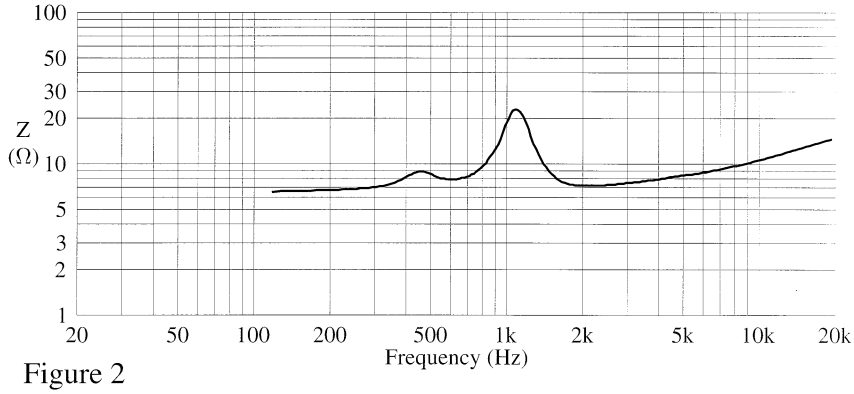


Figure 2

Features and specifications subject to change without notice.

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