

# RCS5XT

## 5" Coaxial Torsion-Mount Speaker Package



# 1

### ■ FEATURES

- Time-tested Metal Grille with Hardware-free Appearance
- Torsion-mount Assembly for Fast/Easy Installation
- Coaxial for Smooth High-Frequency Dispersion
- Dual 70.7/25-volt Xfmr with Spade-lug Taps
- Terminal Block Connection

### ■ DESCRIPTION

The Penton Audio RCS5XT is a premium speaker package with a coaxial 5-1/4" speaker mounted to a CRS, torsion-mount baffle, complete with an attached high-quality, dual-voltage transformer.

Two-part steel mesh grilles present a stylish hardware-free look. Finished in non-reflecting ceiling white, the popular RCS grille is round.

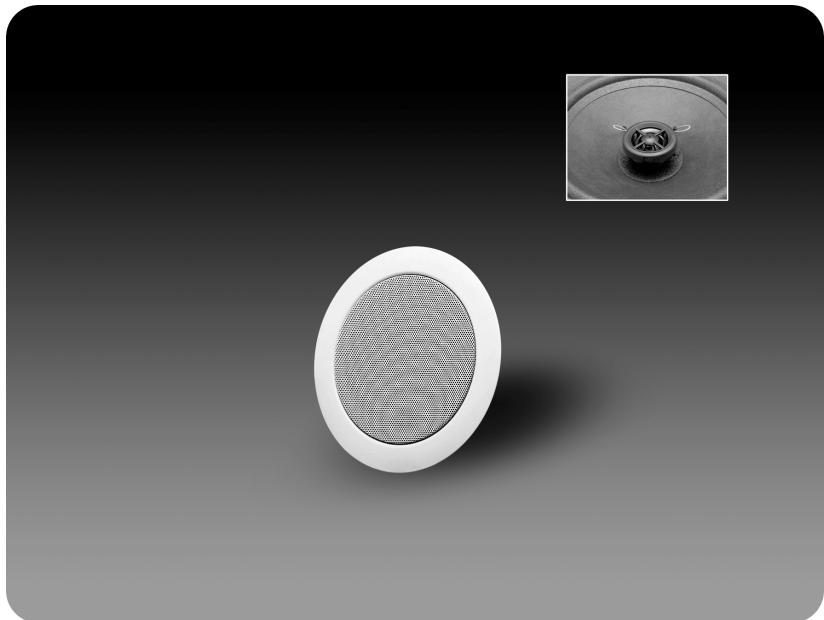
Installer friendly, terminal block connections and spade-lug transformer taps allow fast, easy installation and/or wattage changes.

For a smoother frequency response, model uses an integral 10-ounce, 5" coaxial loudspeaker, including a 1" Mylar dome tweeter complete with a 1/2" moving coil and neodymium magnet. With aesthetic excellence, installation advantages, and a versatile eight-watt, 70.7/25-volt transformer, these speaker packages make the difference between ordinary and superior installations.

### ■ APPLICATION

A 5" cone speaker will offer a wider coverage angle than an 8" in low ceiling applications without greatly compromising speaker efficiency or demanding higher power amplifiers.

The premium 5" RCS speaker package is an excellent choice for up-scale audio projects in commercial and institutional settings, including boardrooms, offices, upscale clothing stores, banks, schools, restaurants, hotel/motels, malls - wherever high-quality audio is desired.



### ■ SPECIFICATIONS

<b>• CONE SPEAKER SIZE:</b> 5-1/4" (134 mm)	<b>• 70.7-VOLT TRANSFORMER TAPS:</b> 8, 4, 2, 1, 0.5
<b>• FREQUENCY RESPONSE (SEE FIG 1):</b> 60-18,000 Hz $\pm$ 5 dB	<b>• 70.7-VOLT TRANSFORMER IMPEDANCE:</b> 625, 1.25K, 2.5K, 5K, 10K
<b>• POWER HANDLING (RAW DRIVER):</b> 20 watts	<b>• 25-VOLT TRANSFORMER TAPS:</b> 8, 4, 2, 1, 0.5
<b>• SPL @ 1w 1m:</b> 91 dB	<b>• 25-VOLT TRANSFORMER IMPEDANCE:</b> 78, 158, 312, 625, 1.25K
<b>• DISPERSION @ 2 kHz (6 dB Down):</b> 120°	<b>• APPROVALS:</b> CE
<b>• DIRECTIVITY Q FACTOR @ 2 kHz:</b> 5.1	<b>• MOUNTING:</b> Quick-Release Torsion Springs Locked onto Baffle
<b>• CONE DESIGN:</b> Coaxial	<b>• BAFFLE MATERIAL:</b> Two-part CRS Steel with Steel Mesh
<b>• TWEETER TYPE:</b> 1" Mylar Dome with 1/2" Moving Coil and Neodymium Magnet	<b>• FINISH:</b> White, Non-reflective, Baked Epoxy
<b>• CONE MATERIAL:</b> Paper with Rubber Surround	<b>• SUGGESTED MOUNTING ACCESSORIES:</b> BBX5 Steel Backbox BRG5 Tile Bridge MBK5 Mounting Bracket
<b>• MAGNET WEIGHT:</b> 10.0 oz	<b>• DIMENSIONS, INCH (MM):</b> 7.44 x 2.24 (189 x 57)
<b>• TRANSFORMER MAX INSERTION LOSS:</b> 0.8 dB	<b>• NET WEIGHT LBS (KGS):</b> 2.07 (0.94)
<b>• TRANSFORMER TAP CHANGE:</b> Movable Spade Lug	
<b>• CONNECTION:</b> Via Terminal Block	

# RCS5XT

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS:

Unit shall be Penton Audio USA Model RCS5XT or approved equal. Assembly shall be comprised of a coaxial 5-1/4" loudspeaker with 10-ounce magnet and a 1" Mylar dome tweeter complete with a 1/2" moving coil and neodymium magnet. It shall also have a pre-mounted, dual-wattage transformer and two-part, non-reflective white baffle with no visible hardware.

Baffle shall be round with torsion-spring mounting. Two-part grille shall be CRS with steel inner mesh grille.

Loudspeaker shall have wide-angle 120° dispersion. Cone shall be a damped, high-compliance type with a smooth extended response over a range of 60-18,000 Hz. Sensitivity shall be a minimum of 91 dB @ 1 watt, 1 meter.

Included transformer shall be a dual-voltage 70.7/25-volt with power taps of 8, 4, 2, 1 and 0.5 watts clearly marked on the assembly. Insertion loss shall not exceed 0.8 dB.

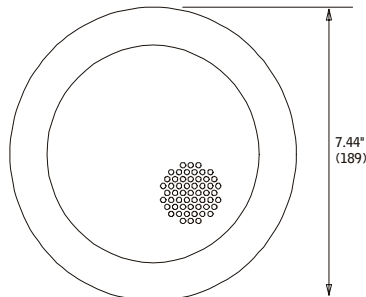


Fig 3: Front View

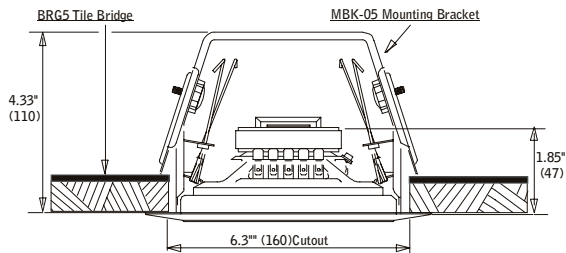


Fig 4: Side View

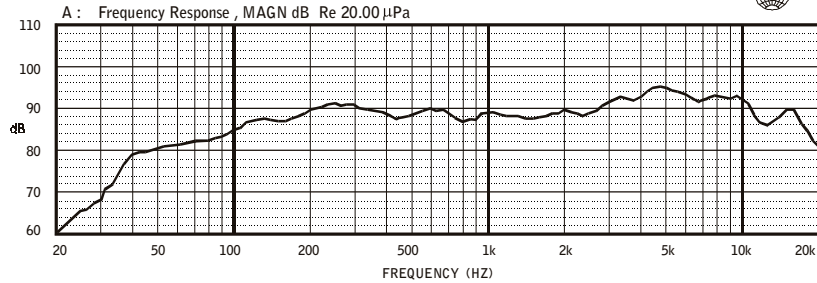


Fig 1: Frequency Response (Measured in Infinite Baffle)

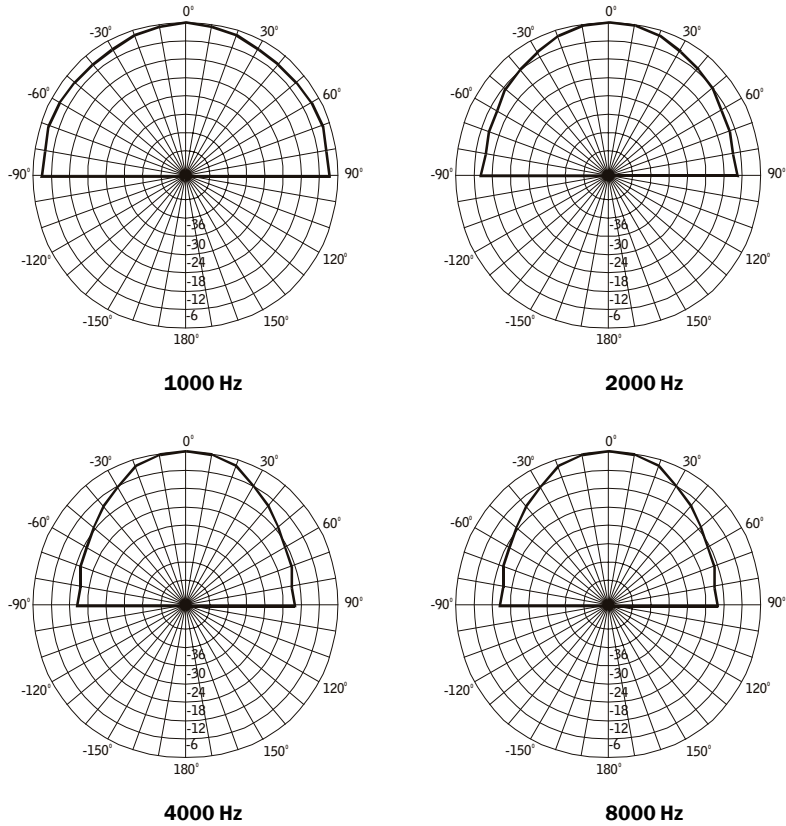


Fig 2: Polar Patterns

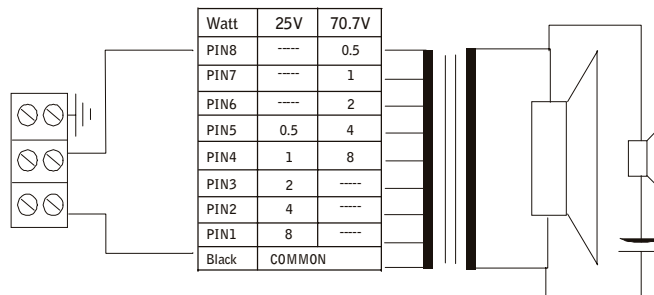


Fig 5: Circuit Diagram

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