

CV8102T10

8" coaxial speaker/10W transformer technical data sheet



key features:

coaxial drivers for full frequency response
treated fiber surround for long life
10W multi-tap 25/70V line matching transformer

key applications:

voice paging intercoms and background music for retail or office space
commercial, industrial and institutional communication systems

specifications: CV8102T10

Voice coil size	1" (25mm) LF, 10 oz magnet 0.5" (12mm) HF coaxial mount
Voice coil	copper coil, polyester insulation, paper former
Driver type	coaxial driver
Cone material	treated fiber paper
Speaker basker	stamped steel
Sensitivity @ 8Ω	97dB @ 1 watt, 1 meter
Max power	10W
Power taps	25V 0.62, 1.25, 2.5, 5 and 10W 70V 0.62, 1.25, 2.5, 5 and 10W
Frequency range	65Hz / 18kHz ± 6dB
Nominal dispersion	105°
Termination type	color coded tined leads

description:

The CV8102T10 is an 8" full range coaxial cone driver. This loudspeaker driver consists of a 1" copper voice coil and a 10 oz magnet on the LF driver and a coaxially mounted 0.5" HF driver. Operational in both 25 and 70 volt systems, this speaker comes assembled with the CVT10 10 watt multi-tap transformer. The CV8102T10 produces a smooth response that is perfect for paging and background music systems. The Convex CV8102T10 has a treated fiber surround that will provide years of durable service. The paper cone driver has been of 65Hz to 18kHz ± 6dB.

physical dimensions:

Dimensions	8" (203mm) diameter 3.875" (98mm) deep
Minimum cutout	8.5" (216mm)

support hardware:

CVB8R standard round baffle
CVB8S standard square baffle
CVBB8RF round flush back box
CVBB8SF square flush back box
CVBB8SS square surface back box
CVTS tile supports

Convex audio/video equipment distributed by:
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architect specifications:

The 8" ceiling speakers shall be Convex model CV8102T10. These complete coaxial speaker assemblies shall have a 10 watt multi-tap transformer. Speakers shall have a frequency response of 65Hz to 18kHz \pm 6dB utilizing a 1" voice coil LF driver and a 0.5" coaxial mounted HF. The line matching 25/70 volt transformer will have the following tap settings marked by color codes: 25V 0.62W, 1.25W, 2.5W, 5W, 10W and 70V 0.62W, 1.25W, 2.5W, 5W, 10W with an insertion loss of less than 2dB.

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