

# CV8102T10S

## speaker/transformer/baffle technical data sheet



### specifications: CV8102T10S

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

### physical dimensions:

Dimensions	8" (203mm) diameter 3.875" (98mm) deep
Minimum cutout	8.5" (216mm)
Baffle size	12.75 (324mm) round 12.5 (317mm) square

### key features:

completely assembled, ready to install  
coaxial drivers for full frequency response  
treated fiber surround for long life  
multi-tap 25/70V line matching transformer  
mounted square baffle  
pure white powder coat finish

### key applications:

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

### description:

The CV8102T10S is an 8" full range speaker assembly. The 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 paper cone driver has been of 65Hz to 18kHz ± 6dB. The Convex CV8102T10S has a treated fiber surround that will provide years of durable service. The CV8102T10S speaker assembly is mounted to a standard 4-hole mount, welded stud CVB8S square baffle.

### support hardware:

CVBB8SF square flush back box  
CVBB8SS square surface back box  
CVTS tile supports

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### architect specifications:

The 8" ceiling speakers shall be Convex model CV8102T10S. These complete coaxial speaker assemblies have a 10 watt multi-tap transformer and are pre-mounted to a square metal baffle with pure white powder coat finish. 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.

The baffles shall have four welded stud mounting points.

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