

CVS51(B)

snap ceiling speaker technical data sheet



key features:

- self contained speaker system
- lightweight, fast easy install
- 70 volt multi-tap
- B version includes back box

key applications:

- retail stores
- houses of worship
- boardrooms
- recreation facilities

description:

The CVS51 is part of the Convex premium snap ceiling series of speakers. This all metal flush mount ceiling speaker system is available with (CVS51B) back box or without (CVS51). Both models utilize built-in 70 volt multi-tap transformers for use in constant voltage systems. Tap selection on the CVS51 is made by color code choice while the CVS51B has a rear mounted selector switch and barrier strip termination. The fine mesh grill provides a clean professional looking installation.

support hardware:

- CVTS51 tile support
- CVRD51 16" drywall rough-in

specifications: CVS51(B)

Driver	5.75" (146 mm)
Cone material	Paper
Surround material	Treated paper
Speaker basket	Stamped steel
Sensitivity	87dB
Max power	8W
Nominal dispersion	120°
Frequency range	400Hz-10kHz \pm 10dB
Nominal impedance	8 Ω
Tap selections	70V (4W, 2W, 1W, 0.5W)
Termination type	Color coded tined lead
Termination type (B)	Barrier strip in/out
Max wire guage (B version only)	14 AWG
Bezel	Injected ABS, white
Baffle and back box	Steel, white

physical dimensions:

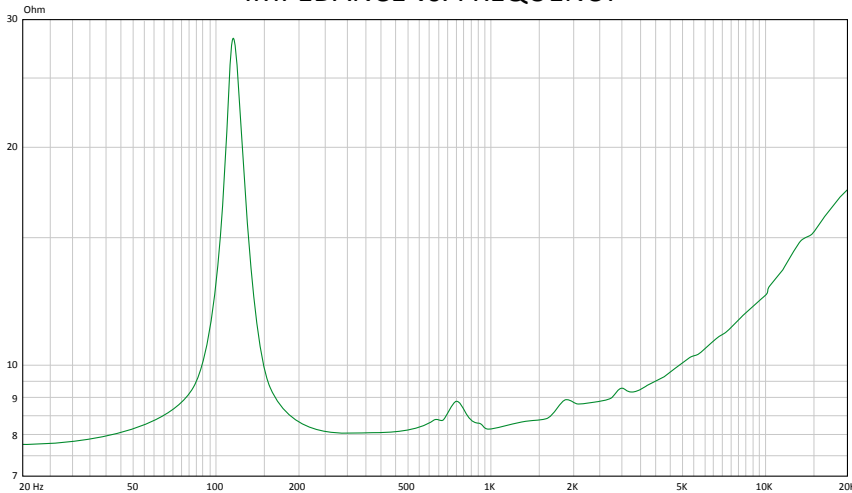
Overall diameter	7.81" (198 mm)
Depth	2.25" (57 mm)
Depth (B version)	4.5" (114 mm)
Cut-out mounting diameter	6.75" (171 mm)



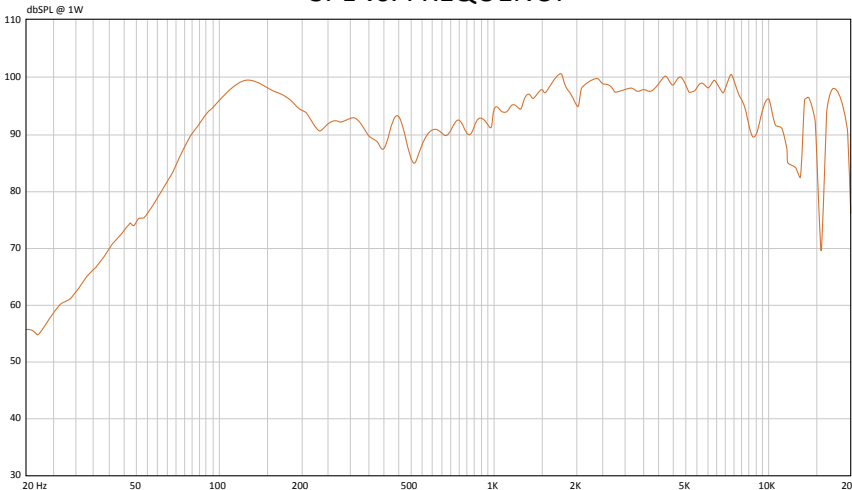
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IMPEDANCE vs. FREQUENCY



SPL vs. FREQUENCY



architect specificaton:

In-ceiling loudspeakers shall be Convex CVS51 flush mount 6" full range speakers consisting of a driver not less than 5.75" diameter, 4 watt multi-tap transformer having 70V tap settings at 4W, 2W, 1W, 0.5W and fine mesh steel baffle.

The speaker unit shall have a pure white power coat paint finish. Loudspeakers shall be preassembled, no assembly will be required and speaker must utilize snap-in technology for simple, fast installation. Areas requiring a back box speaker enclosure shall use Convex model CVS51B. All ceiling speakers installed into drop tile suspended ceilings shall use the Convex CVTS51 tile support.

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