

CVF5

surface mount foreground loudspeaker technical data sheet



key features:

- weather resistant cabinet
- injection molded ABS cabinet
- one-piece mounting bracket included
- ferro fluid cooled HF for increased long term output

key applications:

- background and foreground music systems
- retail space music systems
- outdoor patios
- voice paging

description:

The Convex CVF5 is a 5" full range two-way loudspeaker with a sealed housing suitable for outdoor applications. The CVF series loudspeakers are sold in pairs complete with mounting brackets. The CVF series are made from the highest quality injection molded ABS housing available in both white and black. The full frequency response is delivered using a 5.25" mica LF driver and 0.5" mylar dome HF driver. The CVF5 loudspeakers terminate by a removable captive screw connector for ease of installation. The CVF5 has selectable 25 and 70 volt variable tap settings for constant voltage systems as well as a transformer bypass for direct 8Ω impedance systems.

support hardware:

- CVHC protective wire cage

specifications: CVF5

| | |
|--------------------|---|
| Driver | 5.25" (133mm) LF 0.5" (12.7mm) HF |
| Cone material | mica (LF) mylar (HF) |
| Surround material | rubber |
| Sensitivity @ 8Ω | 89dB @ 1 watt, 1 meter |
| Max power | 40W |
| Nominal dispersion | 100° |
| Frequency range | 65Hz / 20kHz ±10db |
| Impedance | 8Ω (70V: 2, 4, 7.5, 15W) (25V: 2, 4, 7.5, 15W) |
| Minimum impedance | 7.5Ω @ 20kHz |
| Termination type | removeable captive screw |
| Max wire gauge | 14 AWG |
| Cabinet | injected ABS |
| Grille/bracket | aluminum |

physical dimensions:

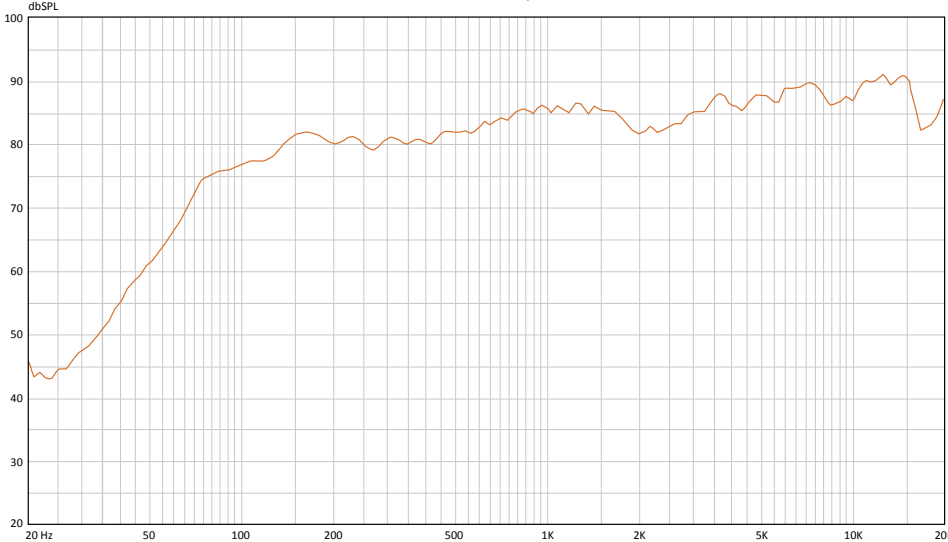
| | |
|--------------------|--|
| Dimensions | 7.125" (181mm) wide x 9.7" (145mm) high x 5.71" (145mm) deep |
| Depth with bracket | 6.75" (171.5mm) |



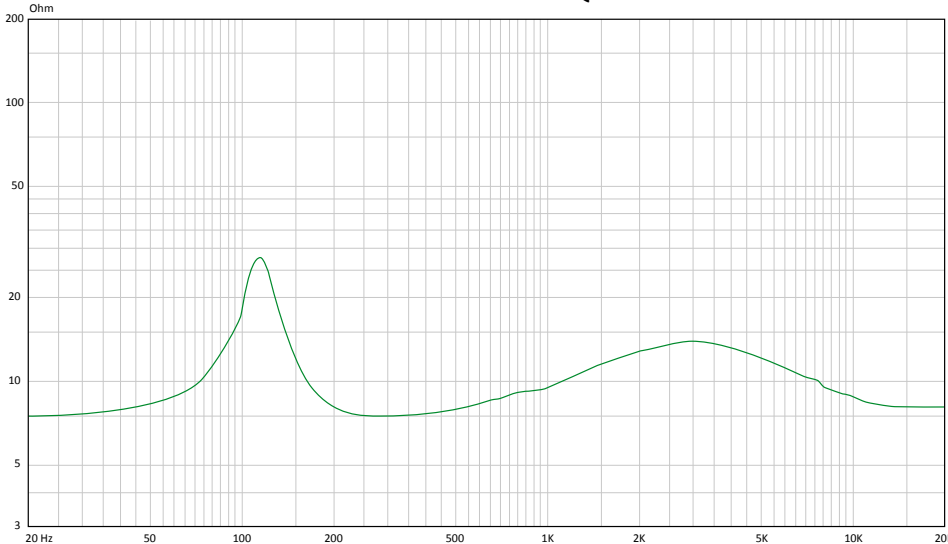
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SPL vs. FREQUENCY



IMPEDANCE vs. FREQUENCY



architect's specification:

The surface mount loudspeakers shall be Convex CVF series part number CVF5 having a frequency response of not less than 65Hz to 20kHz \pm 10dB. The speaker system shall be a two way configuration having a 5" poly-mica LF and a 1/2" Mylar HF having a maximum power handling of 40 watt RMS. These speakers must utilize a selectable impedance system suitable for 25 volt and 70 volt operation as well as direct 8 Ω systems. This must be selectable by way of rotary switching having settings at 2, 4, 7.5 and 15W @ 25 or 70 volts as well as 8 Ω direct. The surface mount loudspeakers shall ship complete with all mounting hardware. Grilles and mounting brackets must be suitable for outdoor use without rusting brackets and grilles made of steel will not be suitable.

ordering information:

CVF5B (black)
CVF5W (white)

Convex AV customer service: 1-800-461-0006
www.convexav.com

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