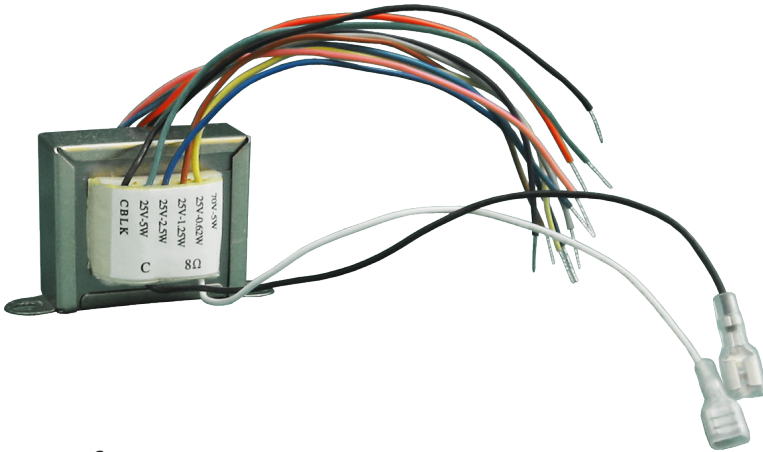


CVT5/10/20

transformers for loudspeakers technical data sheet



specifications: CVT series

Insertion loss	less than 1dB
Tap settings on CVT5	25V: 0.31, 0.62, 1.25, 2.5, 5W 70V: 0.12, 0.31, 0.62, 1.25, 2.5, 5W
Tap settings on CVT10	25V: 0.62, 1.25, 2.5, 5, 10W 70V: 0.62, 1.25, 2.5, 5, 10W
Tap settings on CVT20	70V only: 2.5, 5, 10, 15, 20W
Secondary impedance	CVT5 and CVT10: 8Ω CVT20: 8Ω and 4Ω
Frequency range	60Hz to 15kHz
Termination type	tined leads (primary) female spades (secondary)

physical dimensions:

Base mounting	2.38" (60mm) center to center
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key features:

- multi-tap settings
- 25 and 70 volts (70V only on CVT20)
- very low insertion loss
- tined lead color code termination

key applications:

any 8Ω speaker line matched to a 25/70V system

description:

The Convex CVT line matching transformers are made to the highest standards to ensure very low insertion loss and best possible load conditions for amplifiers. All CVT series transformers are stepped in 3dB increments. The DVT transformers have multiple tap settings, as low as 0.125 watts on model CVT5, to ensure that you get the best dollar per watt value when purchasing amplifier power to drive 70V speaker systems. The CVT series transformers are exclusively used on all Convex CV410, CV86, CV810, CV8102, and CV8202 ceiling speaker assemblies.

architect's specification:

All constant voltage audio transformers shall be Convex CVT series. For power up to 5W use model CVT5, up to 10W use CVT10 and any area requiring wattages greater than 10W use Convex CVT20. All transformers must have an insertion loss less than 1dB and must have multiple tap settings in 3dB increments and identified by color codes. Termination must be tined leads on the primary side and female spades on the secondary.

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