

# DATA SHEET

## Line Isolation Transformers

### CT- 4000a / CT- 4000b

#### Specifications:

Turns Ratio: 1 -1

Frequency Response: +/- .5dB 20 Hz - 20 kHz

Distortion: 1% @ 30Hz, +24dB (4000a)

1% @ 30 Hz , 17dB (4000b)

-3dB Response: >150 kHz

Common Mode Rejection: 130 dB typ

Dimensions: 4000a

1.27 inches tall

2.12 inches deep

2.75 inches wide

2.43 inch mtg cntr

.156 mounting holes

.90 inches tall

1.37 inches deep

2.50 inches wide

2.12 inch mtg cntr

.156 mounting holes

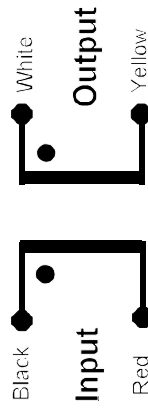
#### Description:

Crimson Audio Transformers CT-4000a and CT-4000b are premium line isolating transformers. They are precision wound on glass filled nylon forms using 155 C rated magnet wire. The windings utilize bifilar construction. They are laminated with nickel steel and are housed in a cold rolled steel enclosure. The 2' leads exit the side of the can. 2 mounting ears extend on the opposite 2 sides.

#### Applications:

Line isolating transformers have numerous applications. They may be used to fully balance an output signal for noise reduction thru greater common mode rejection with long cable runs. They can be used to isolate the output and input devices from each other. In situations of 1 mixer driving multiple crossovers or amps, they can be placed between the mixers and amps or crossovers, keeping the inputs isolated from each other.

#### Schematic Diagram



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