

TRB-4 Output Transformer

- Dual primary and secondary windings for versatility
- Suitable for virtually any output-transformer application
- May be used with EV COL-1 compressor/limiter and EV/Dynacord DDL 102 and DDL 204 digital signal delay units

SPECIFICATIONS

Conditions:

1. 0 dBm = 1 milliwatt.
2. +20 dBm (7.75 V rms) input signal unless noted.
3. Source impedance is 600 ohms unless noted.
4. All specifications assume secondary connected in series and terminated with 600 ohms unless otherwise noted.

Turns Ratio:

1:1 or 2:1¹

Impedance Ratio:

600 ohms : 600 ohms
or 600 ohms : 150 ohms¹

Recommended Primary Source Impedance:

<600 ohms

Recommended Secondary Load Impedance:

>600 ohms or 150 ohms¹

Maximum Input Level, 1 kHz :

+20 dBm

Frequency Response :

20-20,000 Hz, ±0.5 dB

Total Harmonic Distortion, 20-20,000 Hz:

<0.5%

Insertion Loss, 1 kHz:

<1.5 dB

DESCRIPTION

The Electro-Voice TRB-4 output transformer is designed to provide line-level balanced/unbalanced conversions, impedance transformation and grounding isolation. This flexibility is due to the dual primary and secondary windings, allowing the TRB-4 to be used in virtually any output-transformer application.

The TRB-4 is used as an option in the COL-1 compressor/limiter. COL-1 installation instructions are included in the COL-1 Owner's Manual.

1. The split secondary winding may be connected in series (for 600-ohm secondary) or in parallel (for 150-ohm secondary).

The TRB-4 is also used as an option in the EV/Dynacord DDL 102 and DDL 204 digital signal delays. Installation instructions follow.

Product dimensions are shown in Figure 3.

INSTALLATION INSTRUCTIONS, DDL 102

1. Switch unit off and unplug from power source.
2. Remove top cover (three screws on top, two screws on each side, three on rear).
3. Cut two wire jumpers per transformer (see "A" points on Figure 1).
4. Short the two output electrolytic capacitors per transformer. Use the two provided solder areas (see "B" points on Figure 1).

FIGURE 1 — Position of Input (TRB-5) and Output (TRB-4) Transformers in DDL102

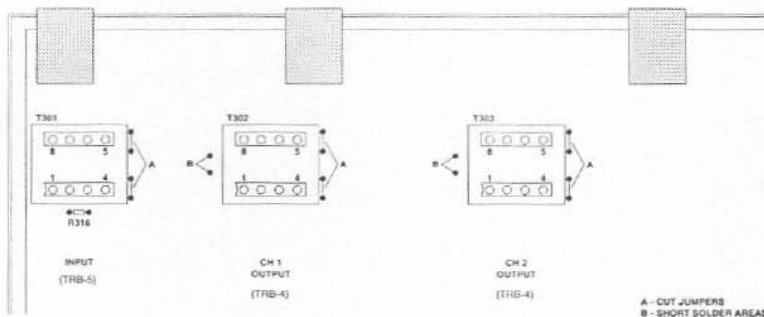


FIGURE 2 — Position of Input (TRB-5) and Output (TRB-4) Transformers in DDL204

