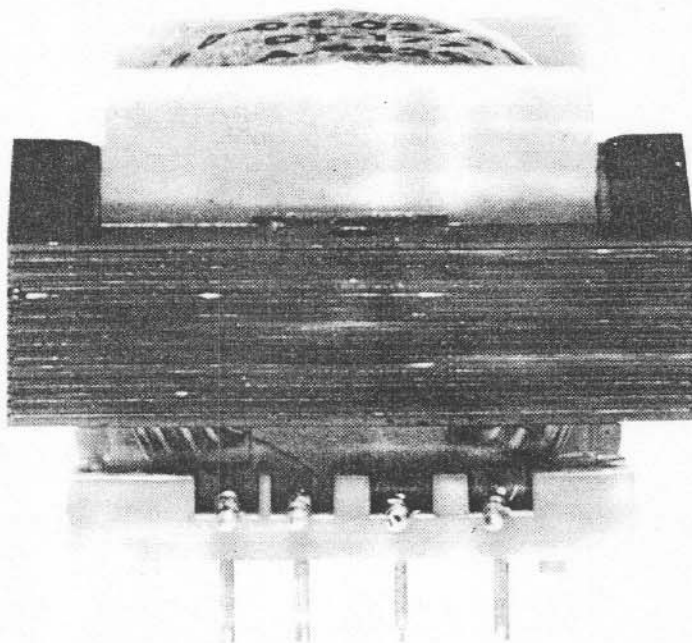




TRB-5

Input Transformer

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

SPECIFICATIONS

Conditions:

1. 0 dBu = 7.75 V rms.
2. +20 dBu input signal unless noted.
3. Source impedance is 15,000 ohms unless noted.
4. Load impedance is 15,000 ohms unless noted.

Turns Ratio:

1:1

Impedance Ratio:

15,000 ohms : 15,000 ohms

Recommended Primary Source Impedance:

<600 ohms

Recommended Secondary Load Impedance:

>15,000 ohms

Maximum Input Level, 1 kHz:

+20 dBu

Frequency Response:

20-15,000 Hz ± 0.5 dB

Total Harmonic Distortion, 1 kHz:

<0.05%

50-20,000 Hz:

<0.1%

20-50 Hz:

<0.2%

Insertion Loss, 1 kHz:

<1.5 dB

Accessory Provided:

6.8-kilohm $\frac{1}{4}$ -W 5% resistor

DESCRIPTION

This Electro-Voice TRB-5 input 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-5 to be used in virtually any input-transformer applications.

The TRB-5 is used as an option in the EV/Dynacord DDL 102 and DDL 204 digital signal delays.

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. Solder 6.8-kilohm resistor (provided) into printed circuit board (PCB) (see R316 in Figure 1).

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

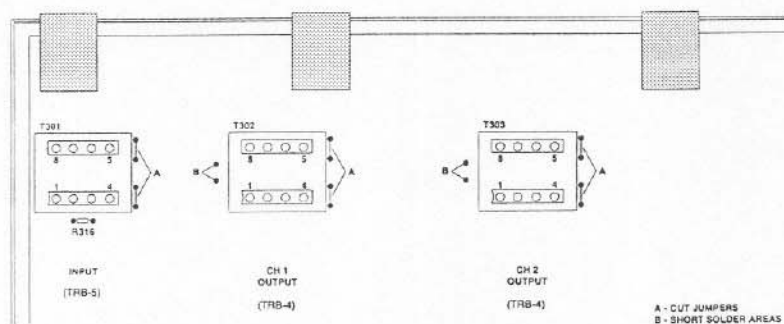


FIGURE 2 — Position of Input (TRB-5) and Output (TRB-4) Transformers in DDL204

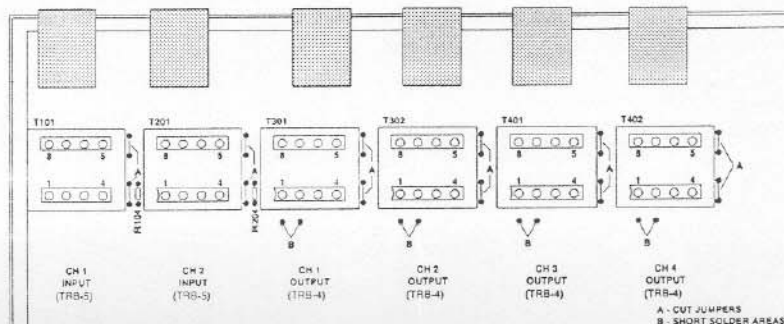
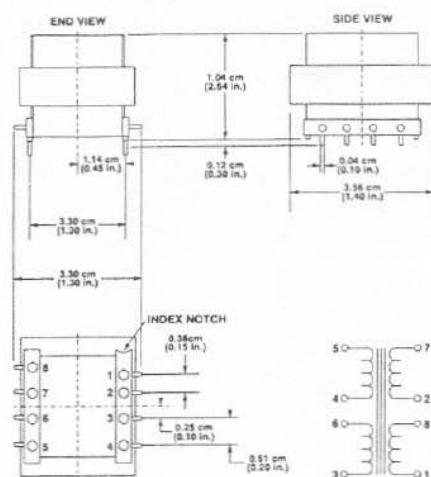


FIGURE 3 — Dimensions



5. Plug the input transformer TRB-5 into prepared socket on PCB (see T301 in Figure 1).

6. Replace top cover.

INSTALLATION INSTRUCTIONS, DDL 204

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 2).

4. Solder 6.8-kilohm resistor (provided) into printed circuit board (PCB) (see R104 and R204 in Figure 2).
5. Plug the input transformer TRB-5 into prepared socket on PCB (see T101 and T201 in Figure 2).
6. Replace top cover.

UNIFORM LIMITED WARRANTY

Electro-Voice products are guaranteed against malfunction due to defects in materials or workmanship for a specified period, as noted in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual, beginning with the date of original purchase. If such malfunction occurs during the specified period, the product will be repaired or replaced (at our option) without charge. The product will be returned to the customer prepaid. **Exclusions and Limitations:** The Limited Warranty does not apply to: (a) exterior finish or appearance; (b) certain specific items described in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual; (c) malfunction resulting from use or operation of the product other than as specified in the product data sheet or owner's manual; (d) malfunction resulting from misuse or abuse of the product; or (e) malfunction occurring at any time after repairs have been made to the product by anyone other than Electro-Voice or any of its authorized service representatives. **Obtaining Warranty Service:** To obtain warranty service, a customer must deliver the product, prepaid, to

Electro-Voice or any of its authorized service representatives together with proof of purchase of the product in the form of a bill of sale or receipted invoice. A list of authorized service representatives is available from Electro-Voice at 600 Cecil Street, Buchanan, MI 49107 (616/695-6831 or 800/234-6831). **Incidental and Consequential Damages Excluded:** Product repair or replacement and return to the customer are the only remedies provided to the customer. Electro-Voice shall not be liable for any incidental or consequential damages including, without limitation, injury to persons or property or loss of use. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. **Other Rights:** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Electro-Voice Accessories are guaranteed against malfunction due to defects in materials or workmanship for a period of one (1) year from the date of original purchase. Additional details are included in the Uniform Limited Warranty statement.

Service and repair address for this product: Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (616/695-6831 or 800/234-6831).

Specifications subject to change without notice.

