

# ECONOMY AUDIO DRY (NO DC) COUPLING TRANSFORMERS AT SERIES

## FEATURES:

- Metric size
- Low cost
- Dielectric strength-1000VAC (PRI-SEC-CORE)
- Resistances  $\pm 20\%$
- All impedances  $\pm 10\%$  (at 1kHz)

## OPTIONS:

- Bulk packaging is standard
- Custom design available

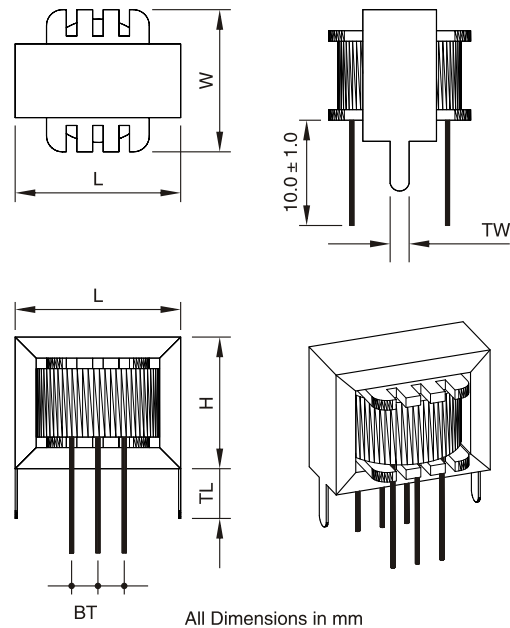
## COMMON APPLICATIONS:

- Telephony
- Audio coupling / isolating
- Alarm system

## ELECTRICAL CHARACTERISTICS

| Part No. | Size | Description | Impedance( $\Omega$ ) |          | DC Resistance |      |
|----------|------|-------------|-----------------------|----------|---------------|------|
|          |      |             | Pri.                  | Sec.     | Pri.          | Sec. |
| AT-201   | 1    | Output      | 500 C.T.              | 8 C.T.   | 35            | 0.8  |
| AT-130   | 1    | Coupling    | 600 C.T.              | 600 C.T. | 45            | 40   |
| AT-202   | 1    | Output      | 1K C.T.               | 8 C.T.   | 60            | 0.8  |
| AT-203   | 1    | Coupling    | 10K C.T.              | 600 C.T. | 450           | 100  |
| AT-204   | 1    | Driver      | 10K C.T.              | 2K C.T.  | 500           | 200  |
| AT-301   | 2    | Output      | 500 C.T.              | 8 C.T.   | 22            | 0.8  |
| AT-302   | 2    | Interstage  | 500 C.T.              | 500 C.T. | 30            | 28   |
| AT-303   | 2    | Output      | 1.2K C.T.             | 8 C.T.   | 80            | 0.8  |
| AT-304   | 2    | Output      | 48 C.T.               | 8 C.T.   | 2.5           | 0.5  |
| AT-305   | 2    | Output      | 200 C.T.              | 8 C.T.   | 12            | 0.8  |
| AT-400   | 3    | Output      | 200 C.T.              | 8 C.T.   | 12            | 0.8  |
| AT-401   | 3    | Output      | 500 C.T.              | 8 C.T.   | 26            | 0.8  |
| AT-129   | 3    | Coupling    | 600 C.T.              | 600 C.T. | 65            | 55   |
| AT-402   | 3    | Output      | 800 C.T.              | 8 C.T.   | 40            | 0.8  |
| AT-403   | 3    | Output      | 1.2K C.T.             | 8 C.T.   | 80            | 0.8  |
| AT-404   | 3    | Interstage  | 1.5K C.T.             | 500 C.T. | 120           | 50   |
| AT-405   | 3    | Coupling    | 10K C.T.              | 600 C.T. | 600           | 100  |
| AT-406   | 3    | Driver      | 10K C.T.              | 2K C.T.  | 600           | 155  |
| AT-500   | 4    | Output      | 48 C.T.               | 8 C.T.   | 2.5           | 0.5  |
| AT-501   | 4    | Output      | 120 C.T.              | 8 C.T.   | 7             | 0.7  |
| AT-502   | 4    | Output      | 200 C.T.              | 8 C.T.   | 12            | 0.5  |
| AT-503   | 4    | Output      | 500 C.T.              | 8 C.T.   | 18            | 0.7  |
| AT-504   | 4    | Interstage  | 500 C.T.              | 500 C.T. | 35            | 28   |
| AT-505   | 4    | Driver      | 10K C.T.              | 2K C.T.  | 600           | 155  |
| AT-506   | 4    | Output      | 1.2K C.T.             | 8 C.T.   | 75            | 0.8  |
| AT-507   | 4    | Coupling    | 600 C.T.              | 600 C.T. | 65            | 55   |

## PHYSICAL CHARACTERISTICS



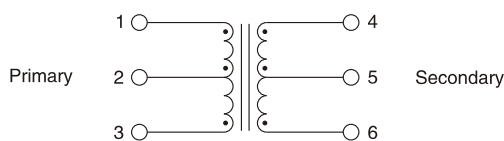
All Dimensions in mm

Dimensions(mm)

| Part No. | size 1 | size 2 | size 3 | size 4 |
|----------|--------|--------|--------|--------|
|          | EI-14  | EI-16  | EI-19  | EI-24  |
| L        | 15.2   | 17.7   | 20.3   | 25.3   |
| H        | 11.0   | 14.0   | 16.2   | 19.0   |
| W        | 12.0   | 16.0   | 14.5   | 16.9   |
| TW       | 2.0    | 2.2    | 2.2    | 2.6    |
| TL       | 3.8    | 4.0    | 4.2    | 4.8    |
| BT       | 2.5    | 2.8    | 3.0    | 4.5    |

Size 1: EI-14 series 0.75watts max. / TCW leads 0.4mm DIA.(0.0159)#26 AWG  
 Size 2: EI-16 series 0.1watts max. / TCW leads 0.43mm DIA.(0.0179)#25 AWG  
 Size 3: EI-19 series 0.2watts max. / TCW leads 0.4mm DIA.(0.0159)#25 AWG  
 Size 4: EI-24 series 0.46watts max. / TCW leads 0.48mm DIA.(0.02)#24 AWG

## TECHNICAL INFORMATION



Schematic