

# IMPEDANCE MATCHING TRANSFORMERS

Telephone Coupling

Telephone Coupling  
Transformer



| Sec. | STANCOR<br>PART<br>NUMBER | Schematic<br>Number | Style | Impedance        |                    | D.C.<br>Curr.<br>mA. | Insertion<br>Losses<br>db Max<br>@1K Hz | Primary<br>DCR | DIMENSIONS-INCHES |       |       |      |      |       | Weight<br>(oz.) | Agency<br>Certif. |
|------|---------------------------|---------------------|-------|------------------|--------------------|----------------------|-----------------------------------------|----------------|-------------------|-------|-------|------|------|-------|-----------------|-------------------|
|      |                           |                     |       | Primary<br>± 15% | Secondary<br>± 10% |                      |                                         |                | W                 | L     | H     | A*   | B**  | C     |                 |                   |
| A    | TTPC-2                    | 1                   | B     | 600              | 600                | 0                    | 1.2                                     | 46             | 0.781             | 0.650 | 0.490 | -    | .145 | 0.530 | 0.5             | -                 |
| B    | TTPC-6                    | 3                   | A     | 600              | 600 C.T.           | 90                   | 1.8                                     | 71             | 0.815             | 0.650 | 0.750 | -    | .187 | 0.421 | 1.0             | -                 |
|      | TTPC-8                    | 2                   | A     | 600 C.T.         | 600 C.T.           | 0                    | 1.2                                     | 36             | 0.781             | 0.650 | 0.740 | -    | .187 | 0.421 | 0.6             | -                 |
| C    | TTPC-11                   | 5                   | A     | 4000             | 600                | 0                    | 1.2                                     | 225            | 0.781             | 0.650 | 0.740 | -    | .187 | 0.421 | 0.6             | -                 |
|      | TTPC-13                   | 4                   | C     | 600              | 600 C.T. Split     | 90                   | 1.8                                     | 73             | 0.815             | 0.750 | 0.625 | .150 | .200 | 0.500 | 0.5             | -                 |
|      | TTPC-14                   | 6 & 7               | D     | 600              | 600 C.T. Split     | 80                   | 1.1                                     | 74             | 1.650             | 1.370 | 0.660 | .200 | .250 | 1.000 | 2.5             | -                 |

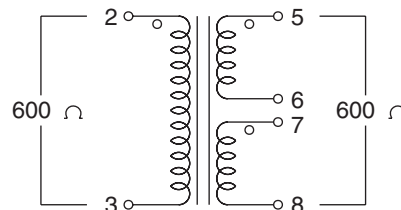
- Maximum Operating Temperature 105°C
- Dielectric Strength 1500 VRMS
- Maximum distortion 0.5% at 300-3.5K Hz
- Frequency Response ± 0.5db 300-3.5K Hz
- Longitudinal Balance:  
60db Min @ 200-1K Hz  
40db Min @ 4K Hz

\* Pin 1 to 2 only.

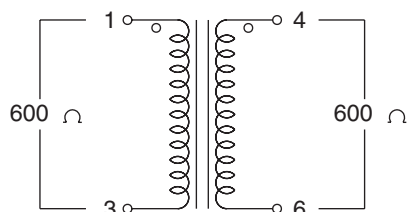
\*\* Typical dimension pin to pin.

For outline drawings refer to page 20.

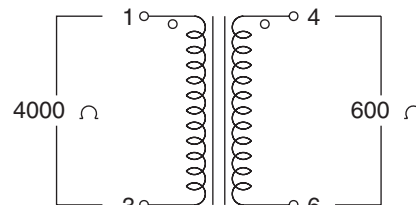
SCHEMATIC 4



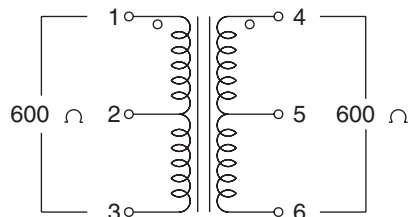
SCHEMATIC 1



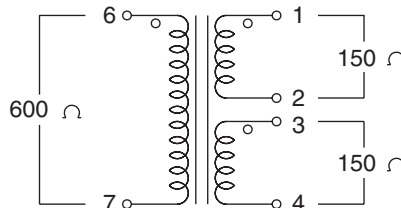
SCHEMATIC 5



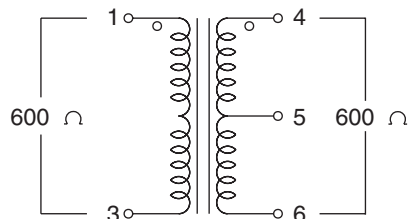
SCHEMATIC 2



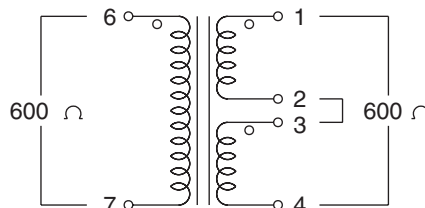
SCHEMATIC 6



SCHEMATIC 3



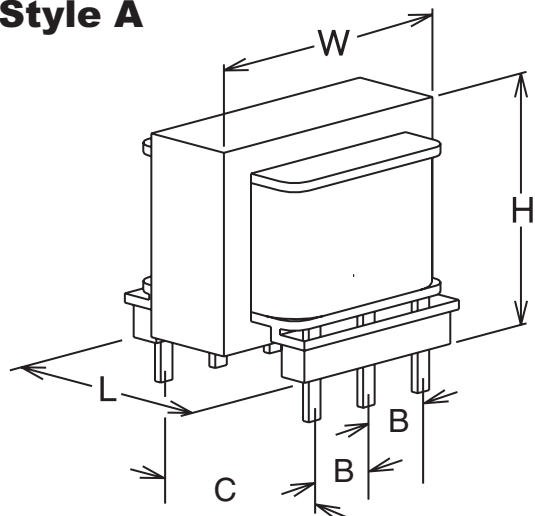
SCHEMATIC 7



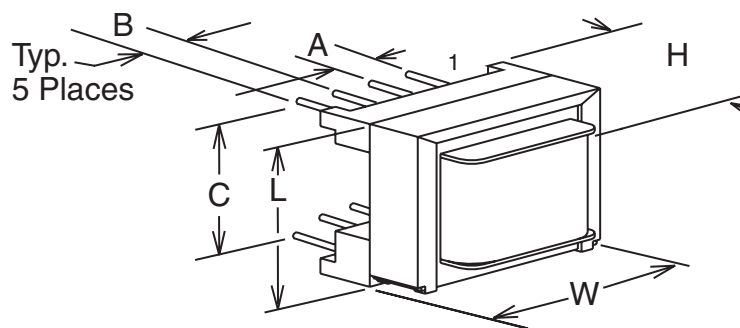
# IMPEDANCE MATCHING TRANSFORMERS

Telephone Coupling – TTPC Series

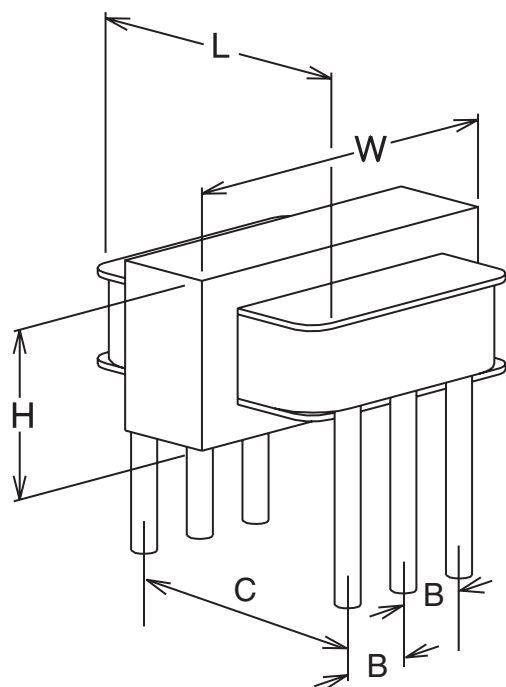
**Style A**



**Style C**



**Style B**



**Style D**

