

TLA3700 is a 1 : 1 line matching transformer with the following features.

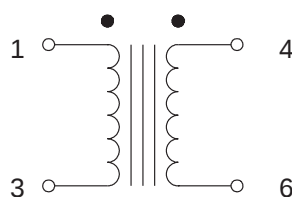
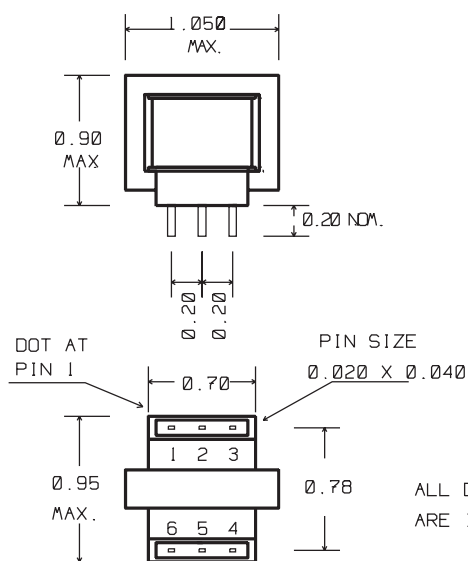
- Low cost.
- DC loop current capability.
- Conforming to FCC part 68 and Canadian CS 03 regulations.
- High voltage insulation between input and output windings.

#### Applications

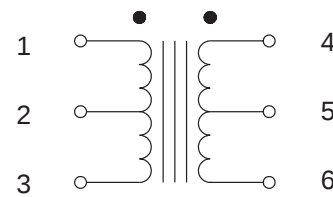
Line matching in 600  $\Omega$  circuits, where up to 100mA loop current capability is required.



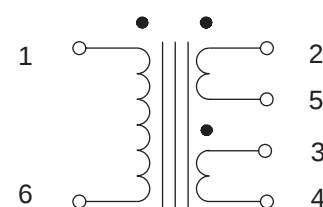
#### MECHANICAL



TLA3700



TLA3700-1



TLA3700-2

ALL DIMENSIONS  
ARE IN INCHES.

#### ELECTRICAL

#### TLA3700

#### TLA3700-1

#### TLA3700-2

|                      |               |                  |                   |                                |
|----------------------|---------------|------------------|-------------------|--------------------------------|
| Impedance            |               | Pri              | 600 $\Omega$      | 600 c.t. $\Omega$ 600 $\Omega$ |
|                      | Sec           | 600 $\Omega$     | 600 c.t. $\Omega$ | 150/150 $\Omega$               |
| Insertion Loss       | @ 1000 Hz     | < 2.0 dB         | < 2.0 dB          | < 2.0 dB                       |
| Frequency Response   | 300 - 3500 Hz | < 2.0 dB         | < 2.0 dB          | < 2.0 dB                       |
| Longitudinal Balance | 300 - 3500 Hz | > 65 dB          | > 65 dB           | > 65 dB                        |
| Winding Resistance   | Pri.          | 80 $\Omega$ nom  | 80 $\Omega$ nom   | 80 $\Omega$ nom                |
|                      | Sec.          | 110 $\Omega$ nom | 110 $\Omega$ nom  | 55/55 $\Omega$ nom             |
| Line current         |               | 100 mA           | 100 mA            | 100 mA                         |
| Dielectric Strength  |               | 1500 Vrms        | 1500 Vrms         | 1500 Vrms                      |