

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

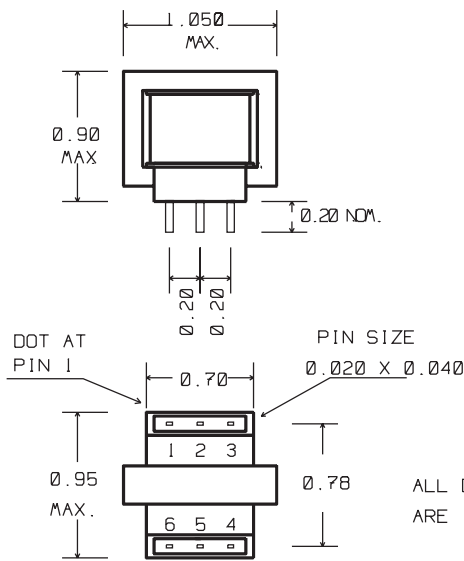
- Low cost.
- DC loop current capability.
- Conforming to FCC part 68 and Canadian CS 03 regulations.
- High voltage insulation between input and output windings.

Applications

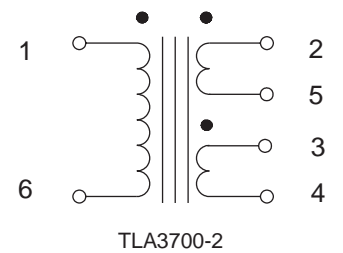
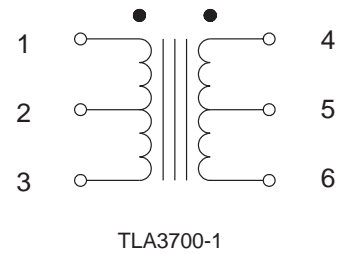
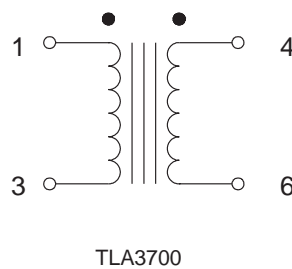
Line matching in 600 Ω circuits, where up to 100mA loop current capability is required.



MECHANICAL



ALL DIMENSIONS ARE IN INCHES.



ELECTRICAL

TLA3700

TLA3700-1

TLA3700-2

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

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