

TLA3853-2 is a 1:1 line matching transformer with the following features:

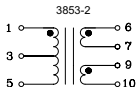
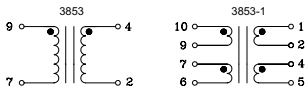
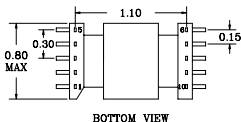
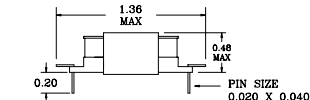
- Low profile
- DC loop current capability
- Conforms to FCC part 68, Canadian CS-03 regulations
- High voltage insulation between input and output windings

**Applications:**

Line matching in 600 & 900  $\Omega$  circuits with up to 100 mA loop current capability.



**MECHANICAL AND SCHEMATIC (All dimensions in inches)**



NOTE: PINS 2,4 & 8 REMOVED FOR 3853-2

UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE  $\pm 0.010$

**ELECTRICAL SPECIFICATION @ 25 °C**

			3853	3853-1	3853-2
Impedance	( $\Omega$ )		600 : 600	150/150 : 150/150	600 c.t. : 150/150
Insertion Loss	(dB)	@ 1000 Hz	1.5	1.5	1.5
Frequency Response	(dB)	300 – 3500 Hz	< 1.0	< 1.0	< 1.0
Longitudinal Balance	(dB)	300 – 3500 Hz	> 65	> 65	> 65
DCR	( $\Omega$ )	Pri	94	94	94
	( $\Omega$ )	Sec	113	113	113
Return Loss @ 80 mA DC	(dB)	300 – 3500 Hz	> 11	> 11	> 11
Dielectric Strength	(Vrms)		1500	1500	1500