

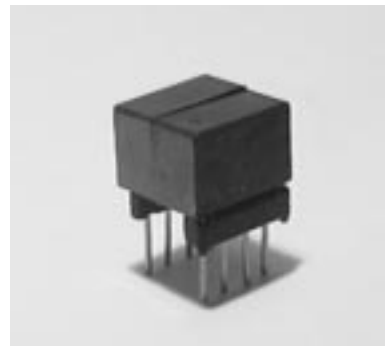
TPA3858 is a 1 : 1 line matching transformer with the following features.

- Low profile.
- Small volume.
- Conforming to FCC part 68 and Canadian CS 03 regulations.
- Low cost.
- High insulation voltage.

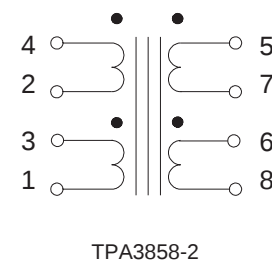
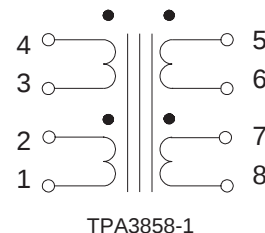
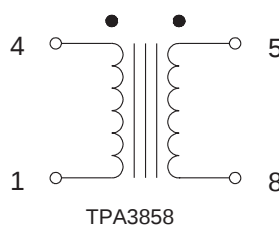
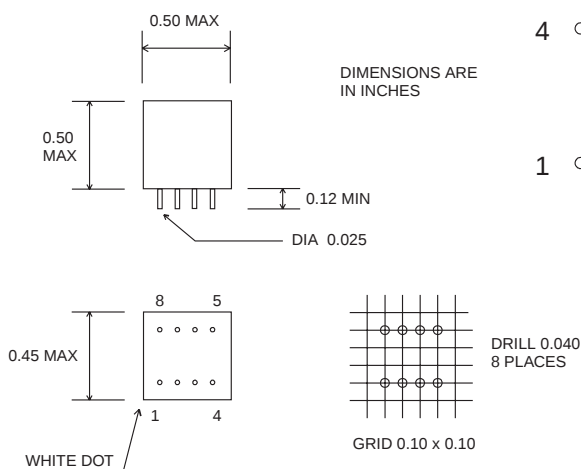
Applications:

Interfacing equipment to telephone line, requiring small size and high insulation voltage.

TPA3858-2 is designed for high impedance bridging applications.



MECHANICAL



ELECTRICAL

TPA3858 & -1

TPA3858-2

Impedance		600 : 600 Ω	10 K : 10 K
Insertion Loss	@ 1000 Hz	< 1.0 dB	< 0.5 dB
Frequency Response	300 - 5000 Hz	< 1.0 dB	< 0.5dB
Longitudinal Balance	300 - 3500 Hz	> 65 dB	> 65 dB
Winding Resistance	(1 - 4) (5 - 8)	57 Ω nom. 57 Ω nom.	250 Ω nom. 250 Ω nom.
Return loss	300 - 3500 Hz	> 15 dB	
Bridging Loss on 600 Ω line and when terminated 10 K Ω at the output			< 0.25 dB
Dielectric Strength		2500 Vrms	2500 Vrms