

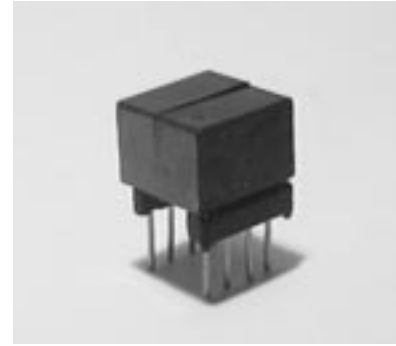
TPA3858 is a 1 : 1 line matching transformer with the following features.

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

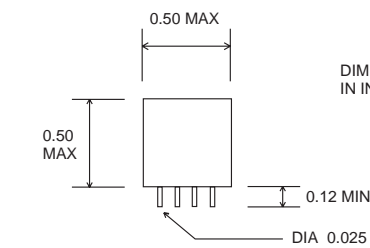
Applications:

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

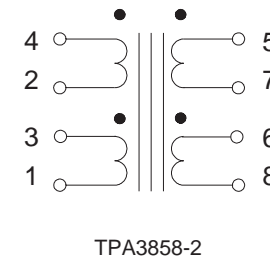
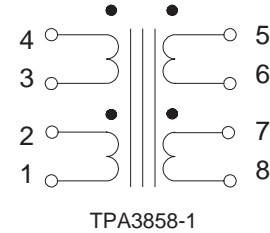
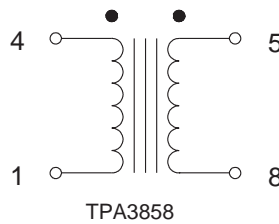
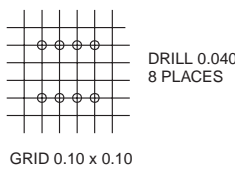
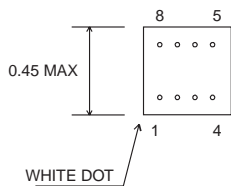
TPA3858-2 is designed for high impedance bridging applications.



MECHANICAL



DIMENSIONS ARE IN INCHES



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)<br>(5 - 8) | 57 Ω nom.<br>57 Ω nom. | 250 Ω nom.<br>250 Ω nom. |
| Return loss   | 300 - 3500 Hz      | > 15 dB                |                          |
| Bridging Loss on 600 Ω line and when terminated 10 KΩ at the output |                    |                        | < 0.25 dB                |
| Dielectric Strength   |                    | 2500 Vrms              | 2500 Vrms                |

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