

3858 is a 1:1 line matching transformer with the following features:

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

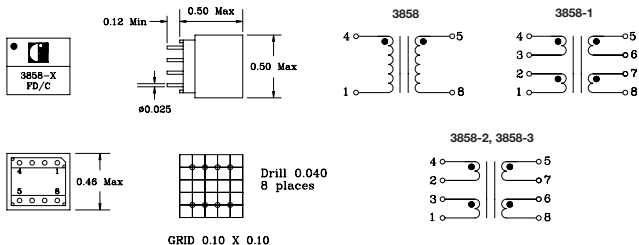
Applications:

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

3858-2 is designed for high impedance bridging applications.



MECHANICAL AND SCHEMATIC (All dimensions in inches)



UNLESS OTHERWISE SPECIFIED, ALL TOLERANCES ARE ±0.010

ELECTRICAL SPECIFICATION @ 25 °C

		3858	3858-1	3858-2	3858-3
Impedance	(Ω)	600 : 600	600 : 600	10 K : 10 K	10 K : 10 K
Insertion Loss	(dB)	@ 1000 Hz < 1.0	< 1.0	< 0.5	< 0.5
Frequency Response	(dB)	300 – 3500 Hz < 1.0	< 1.0	< 0.5	< 0.7
Longitudinal Balance	(dB)	300 – 3500 Hz > 65	> 65	> 65	> 65
DCR	(Ω)	Pri 57	57	250	125
	(Ω)	Sec 57	57	250	125
Return Loss	(dB)	300 – 3500 Hz > 15	> 15	-	-
Bridging Loss on 600 Ω line terminated with 10 KΩ at the output	(dB)	-	-	< 0.25	< 0.25
Dielectric Strength	(Vrms)	4000	4000	2500	2500

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