CRITCHLEY 9856

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A compact line isolating transformer, Tested and approved in accordance with EN60950: 1992 up to amendment 5, and AS/NZS 3260:1993.

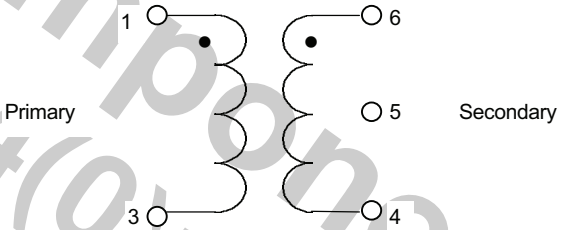
ELECTRICAL SPECIFICATION

DC Resistance:	
Primary	156Ω ± 15%
Secondary	156Ω ± 15%
Series O/C Inductance: measured @ 250mV	200Hz >9.5H 2000Hz >2.30H 4000Hz >1.30H
Series O/C AC Resistance: measured @ 250mV	200Hz >6.5KΩ 2000Hz >40KΩ 4000Hz >60KΩ
Leakage Inductance: 200Hz - 4000Hz	7.0mH max.
Harmonic Distortion: 200Hz, -3dBm on primary, 600Ω load on secondary.	TD Rel: -75dB typical.
Insertion Loss: 200Hz - 4000Hz (600Ω ref., 600Ω load)	2.2dB max.
Frequency Response: 200Hz - 4000Hz (600Ω ref., 600Ω load)	± 0.1dB max.
Return Loss: 300Hz - 4000Hz	>16dB (when using recommended circuit).
Max. DC current	0mA

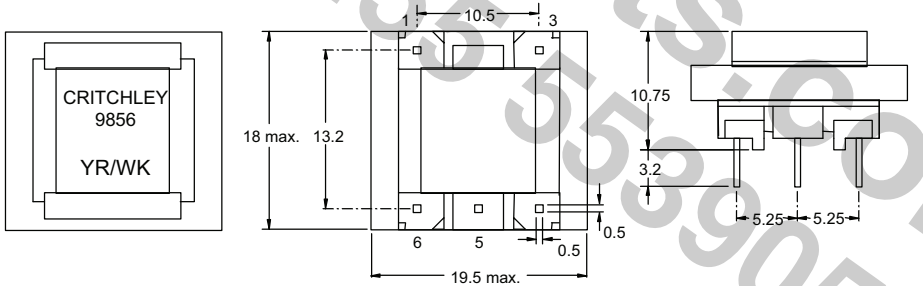
ENVIRONMENTAL & SAFETY SPECIFICATION

Voltage Breakdown:	Tested according to EN60950 part 5.3.2. (test voltage: 1500 Volts).
Storage temperature:	Tested to IEC 68-2-14:1984 test procedure Nb. (temperature range -25°C to +85°C).

CIRCUIT SCHEMATIC



MECHANICAL SPECIFICATION

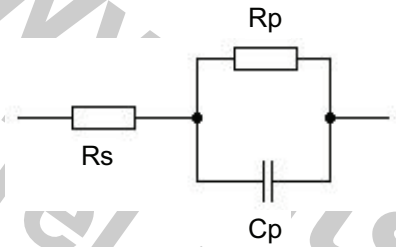


Dimensions in mm.

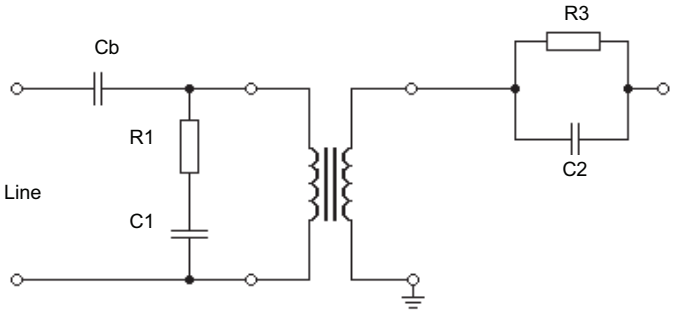
E171368 (M)
CAN/CSA 234-M90

Application Circuits

Reference Impedance (ETS300 001):



Circuit description:



	Ref. Impedance Values			Recommended Circuit Values				
Country	**Rs (Ω)**	**Rp (Ω)**	**Cp (nF)**	**Cb (μF)**	**R1 (Ω)**	**C1 (nF)**	**C2 (nF)**	**R3 (Ω)**
Pan European (CTR 21)	270	750	150	10	-	10	82	1020
Austria, Belgium, Canada, France, Finland, Hong Kong, Ireland, Italy, Japan, Netherlands, Portugal, Singapore, Taiwan, USA	600Ω			10	-	-	47	453

Notes: Country reference networks are subject to change and interpretation. The above is intended as an initial reference and should you require more information for a network not shown please contact your local sales office. Software models are available on disk for all components.