

CURRENT SENSE TRANSFORMER

Turns Ratio ($\pm 1\%$)	1 : 100
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Electrical Specifications at 25°C

PARAMETER	MIN.	MAX.	UNITS
Secondary Inductance	20		mH
Secondary DC Resistance		1.40	ohms
Primary Unipolar Amp-Microsecond		300	A μ S
Primary Bipolar Amp-Microsecond		600	A μ S
Isolation (HI-POT)	3750		V _{RMS}
Terminating Resistance = 100 Ω			

Designed for Switching Power Supply Applications

Primary Winding furnished

Flammability: Materials used in the production of these units meet requirements of UL94-VO and IEC 695-2-2 needle flame test.

Maximum ratings specified with rated secondary terminating resistance and 1 turn.

Amp- μ sec rating of primary equals volt- μ sec rating of secondary when secondary is terminated into rated resistance.

Maximum operating temperature 105°C.

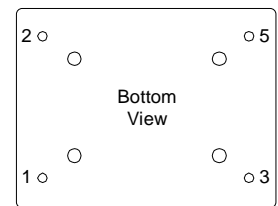
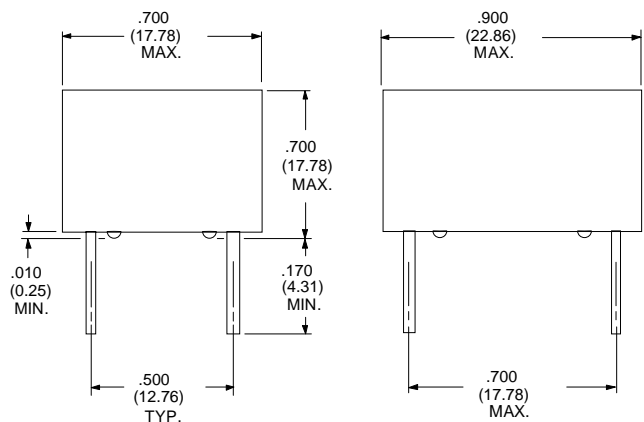
SCALEFACTOR:

- V_{OUT} (Volts per Amp)
- 1 Volt @ rated terminating resistance
- 0.5 Volts @ 1/2 rated terminating resistance
- 2.0 Volts @ 2 times rated terminating resistance

20 Amps maximum suggested peak sense current @ 40% duty cycle 40°C temperature rise

Frequency range 20 kHz and greater

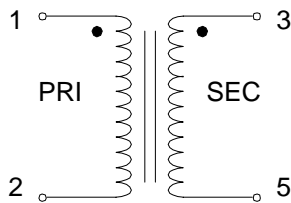
Physical Dimensions inches (mm)



PRIMARY Leads: 16AWG (.0508")

SECONDARY Leads: 20AWG (.0320")

SCHEMATIC



RHOMBUS P/N: T-20101	
CUST P/N:	NAME:
DATE: 5/10/00	SHEET: 1 OF 1