CURRENT SENSE TRANSFORMER

Turns Ratio (± 1%)	1 : 100

Designed for Switching Power Supply Applications

Primary Winding furnished

Electrical Specifications at 25°C

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

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-μsec rating of primary equals volt-μsec rating of secondary when secondary is terminated into rated resistance.

Maximum operating temperature 105°C.

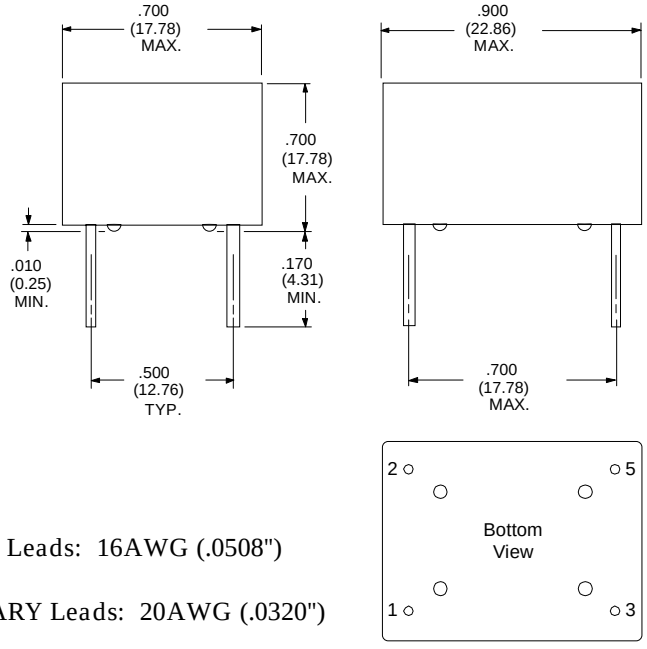
SCALE FACTOR:

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

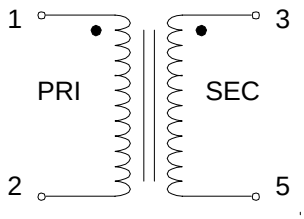
Physical Dimensions
inches (mm)



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

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