



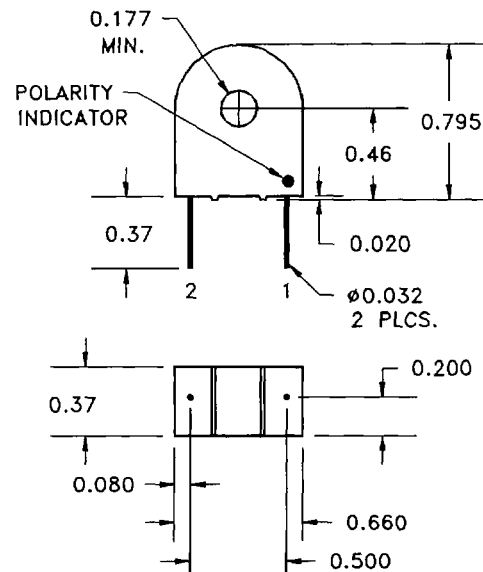
WIDE DYNAMIC RANGE CURRENT TRANSFORMER

5A P/N 5300-0405

ELECTRICAL SPECIFICATIONS	
PRIMARY CURRENT:	5 A NOM., 40A MAX.
URNS RATIO:	1000:1 NOMINAL
VOLT PER AMP RATIO AT 5A, FOR 100 OHM LOAD :	0.100 V/A
VOLT PER AMP RATIO AT 0.5A, FOR 100 OHM LOAD :	0.094 V/A
D.C.RESISTANCE AT 20°C :	84 OHMS
DIELECTRIC WITHSTANDING VOLTAGE (HI-POT):	4kV RMS.

MECHANICAL SPECIFICATIONS	
PARAMETER	
CUP	DAP, EPOXY OR RYNITE
ENCAPSULANT	EPOXY OR POLYURETHANE, LOW SHRINKAGE, HIGH RELIABILITY
FLAMMIBILITY	CONFORMS TO UL94-V0
TERMINALS	PC PINS, 0.031IN RD. OR 0.025IN SQ.
MARKING	AMECON, PART NUMBER, DATECODE, DOT AT START PIN.
APPROX. WEIGHT	0.018#
TOLERANCES:	.X: ± 0.1 .XX: ± 0.03 .XXX: ± 0.01

ENVIRONMENTAL SPECIFICATION	
STORAGE TEMP.	$-55^{\circ}\text{C} < T_c < +130^{\circ}\text{C}$
INSULATION RESISTANCE	100 MEGOHMS MINIMUM.



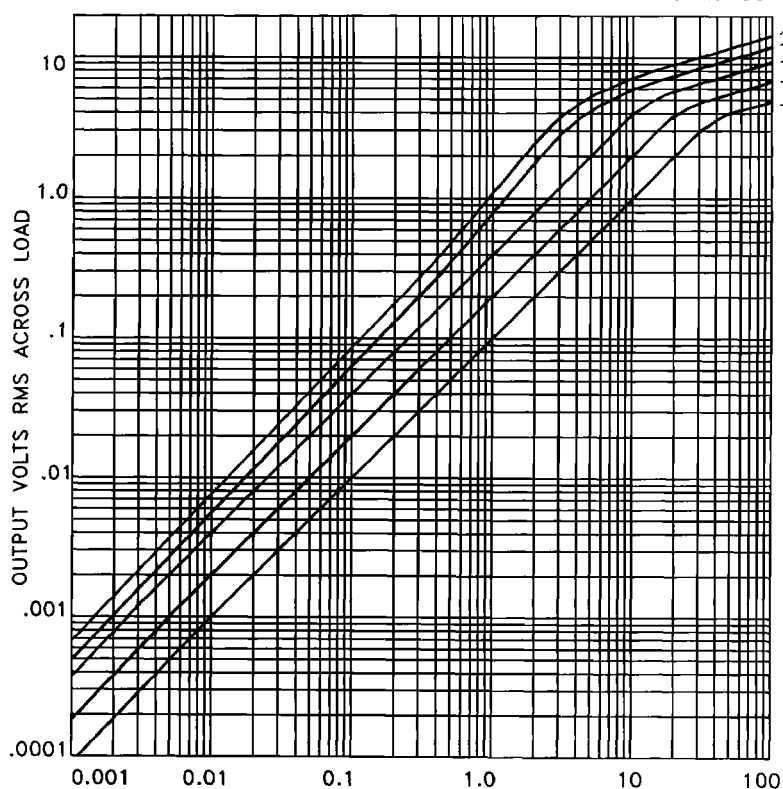
NOTES:

UNLESS REQUESTED, THE TERMINATING RESISTOR AND THE ONE-TURN PRIMARY ARE NOT SUPPLIED

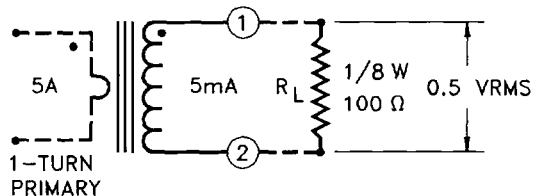
LOAD VALUE:

1500 Ω
1000 Ω
400 Ω
200 Ω
100 Ω

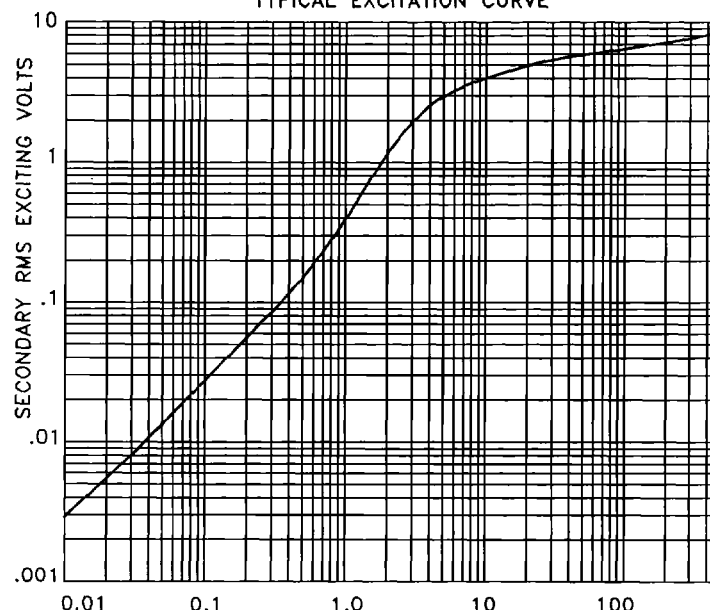
OUTPUT VOLTS VS. INPUT AMPS FOR VARIOUS OHMIC LOADS



INPUT AMPS THROUGH CT



TYPICAL EXCITATION CURVE



SECONDARY RMS EXCITING CURRENT (mA)