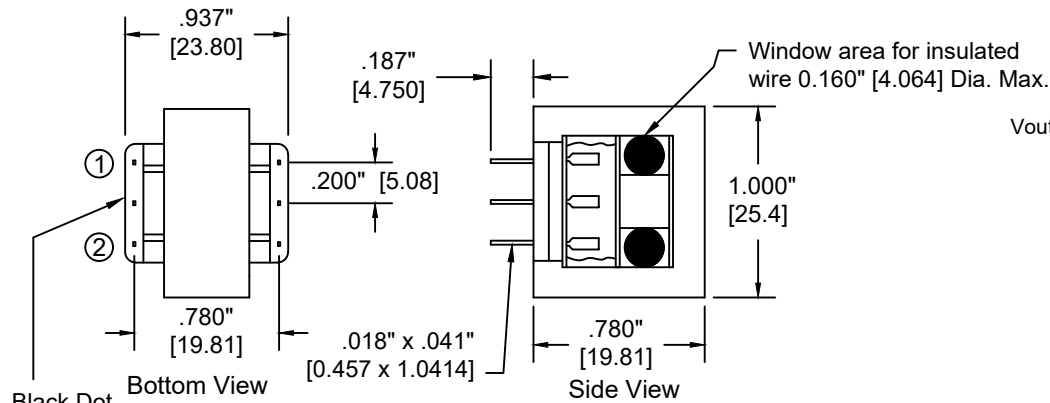
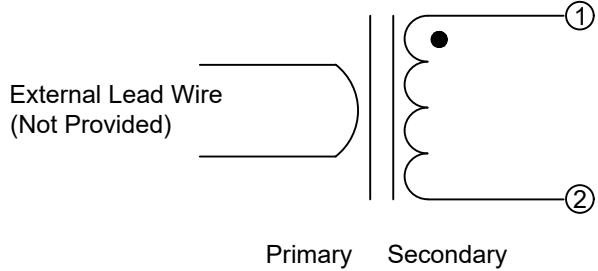


- 1:2000 INSTRUMENTATION TRANSFORMER (USING CUSTOMER SUPPLIED 1 TURN PRIMARY).
- EXHIBITS GOOD LINEARITY FROM 0-20Arms WITH BURDEN RESISTOR VALUES FROM 300 Ω TO 700 Ω.
- TYPICAL V_{out} % REDUCTION FROM IDEAL BASED ON R_s VALUE OF:
100 Ω = 3%, 167 Ω = 3%, 300 Ω = 6%, 700 Ω = 8%



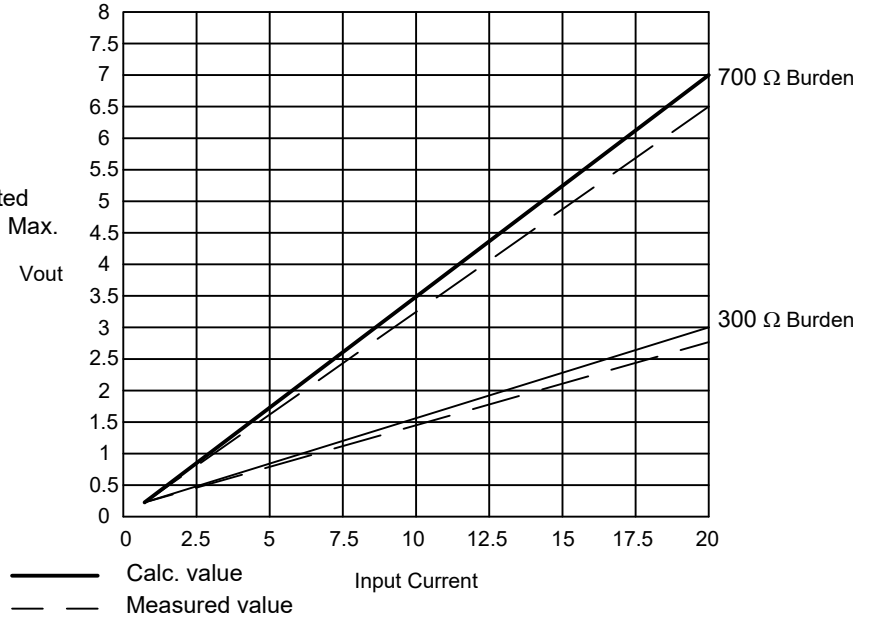
Black Dot ID Sec



Note: All Dimensions are reference unless specified.
[] = mm

Electrical Parameters

DC Resistance: 307.9 Ω +/-10%
Turns Ratio : 1:2000
Current Range : 0 - 20 Arms
Frequency Range : 50 - 60 Hz
Dielectric Strength : 1500 Vrms S-C



Calc. Value = $V_s = I_p \times R_s / 2000$

Typical V_{out} % reduction from ideal :	
R_s Value	SPCT-250
100 Ω	3.0%
167 Ω	3.0%
300 Ω	6.0%
700 Ω	8.0%

		CUSTOM ENGINEERED MAGNETIC COMPONENTS Johnsburg, Illinois 3521 N.CHAPEL HILL RD. / MCHENRY, ILLINOIS 60051	
		SCALE : None	APPROVED BY : <i>Gary Garcia</i>
DATE : 02-14-01		REVISED :	
SPCT-250 Instrument Transformer			
			DRAWING NUMBER A SPCT-250-1

06/15/2016	ADDED BULLET POINTS	TJK
05/01/2015	ADDED MILLIMETER DIMENSIONS	TJK