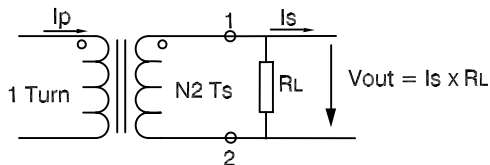


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**SCHMATIC**

Note: All measurements are carried out using rms value responding meter. The terminating resistor and the 1-turn primary are not supplied.

7 BUILD TO RoHS COMPLIANCE AND LEAD FREE

6 WHERE SHOWN  
MARK PART NUMBER AND REVISION

5 REMOVE INSULATION, SOLDERED TO LEADS

4 CONSTRUCTION: ENCAPSULATED USING BOBBIN.  
DIELECTRIC WITHSTANDING VOLTAGE (HI-POT): 2.5K Vrms  
FREQUENCY BAND: 50Hz - 60Hz  
OPERATING TEMP. = - 25 °C TO 80 °C  
DC RESISTANCE @ 25 °C = 31 OHMS  
PHASE SHIFT = 5.33'  
RATIO ERROR = -0.073 %  
BURDEN RESISTOR (RL) = 100 OHMS  
MIN AC PRIMARY CURRENT (I min) = 0.01 AMPS  
MAX AC PRIMARY CURRENT (I max) = 30 AMPS  
ACCURACY CLASS = 0.5 %  
OUTPUT VOLTAGE (V out) = 1.504 V  
RATED PRIMARY CURRENT (Ir) = 0.01 A - 15 A

3 SPECIFICATIONS @ 25 °C :

WIRE: UL RECOGNIZED 130 °C RATED MAGNET WIRE  
CWS BYTE-MARK OR OTHER APPROVED PART  
CORE: TAPE WOUND

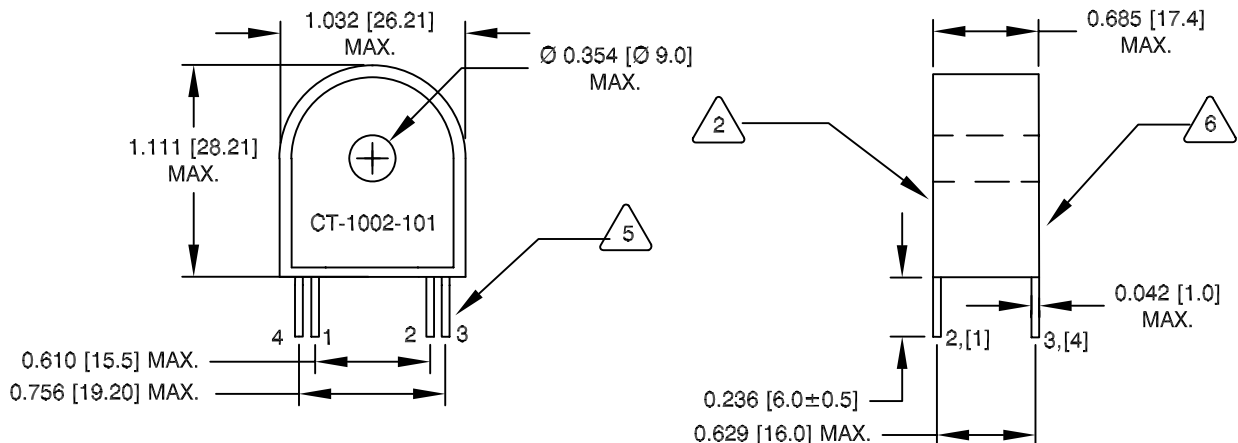
2

BOBBIN RATING CLASS B (130 °C) REQUIRED

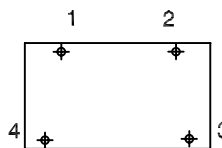
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY  
ALL MATERIAL USED ARE IN ACCORDANCE WITH UL REQUIREMENTS

UNIT: INCHES [MM]

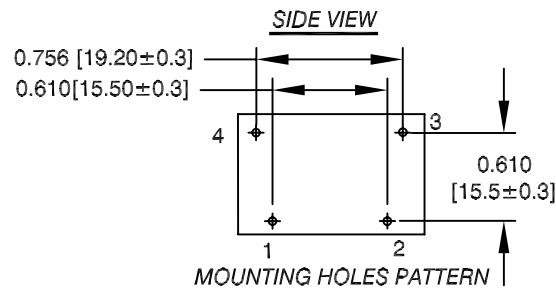
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	GN	05/29/09	KC	05/29/09



**FRONT VIEW**



**BOTTOM VIEW**



**SIDE VIEW**

**MOUNTING HOLES PATTERN**

Note: Pin 3 and 4 are only used for mechanical mounting on to PCB

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
<b>PARTS LIST</b>				
AUTOCAD		X		
SOLIDWORKS				
DRAWN		GN	05/22/09	<b>COILWS.COM, INC</b> www.coilws.com CWS Coil Winding Specialist, Inc. 353 W. Grove Avenue Orange, CA 92865
CHECKED		KC	05/22/09	
ENGR.		KC	05/22/09	
APPR.		KC	05/22/09	
TITLE:		15A Current Sense Transformer		
SIZE	DWG. NO.	CT-1002-101		REV
B				A
SCALE			NOT_TO_SCALE	SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED	SIGN	DATE
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		
ALL DIMENSIONS ARE IN INCHES AND [MILLIMETERS].		
TOLERANCE INCHES: .XXX=±.010 .XX=±.020	↯=±0°30'	
TOLERANCE METRICS: .XXX=±.254 .XX=±.51	↯=±0°30'	
ANGLE PROJECTION		
DO NOT SCALE DRAWING		

# CT-1002-101

