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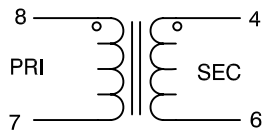
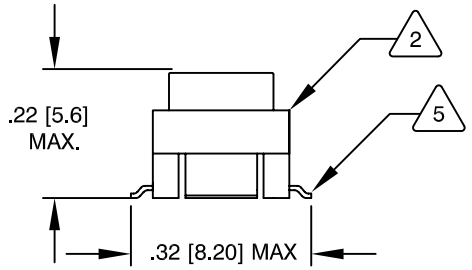
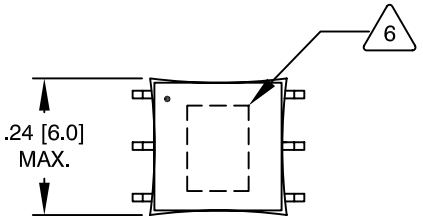
REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE BY	DATE	CHK	DATE
A		PRE–PRODUCTION RELEASE	TDK	3/24/04	JLAU	3/24/04
B		ELECTRICAL SPEC. CHANGE	AK	8/15/12	JLAU	8/15/12



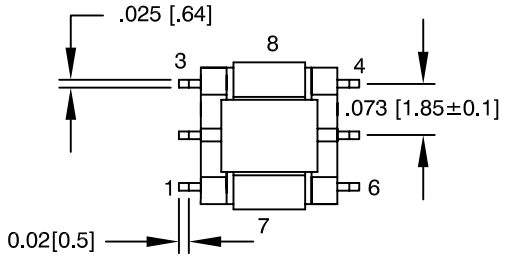
SCHEMATIC



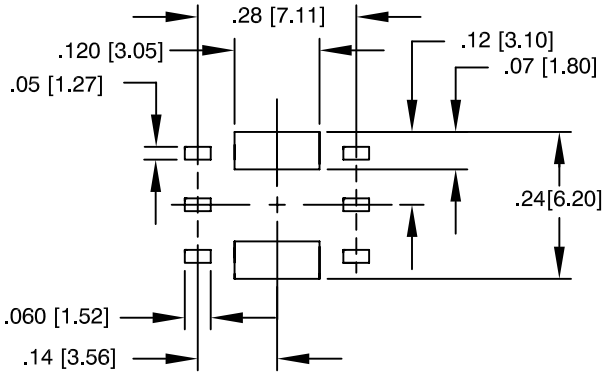
FRONT VIEW



TOP VIEW



BOTTOM VIEW



MOUNTING HOLES PATTERN

6 WHERE SHOWN
MARK PART NUMBER AND REVISION

5 REMOVE INSULATION, SOLDERED TO LEADS

4 CONSTRUCTION: ENCAPSULATED USING BOBBIN.

FREQUENCY RANGE AT 10 KHz AND ABOVE
OPERATING TEMP. = - 25 °C TO 125 °C
HI-POT PRIMARY TO SECONDARY = 500 Vrms
PRIMARY CURRENT = 6 A MAX.
SECONDARY DCR = 1.50 OHMS MAX
SECONDARY INDUCTANCE@ 10 KHz, 0.1 V = 500.0 uH MIN
TURNS RATIO PRI:SEC = 1:50

3 SPECIFICATIONS @ 25 °C :

WIRE: UL RECOGNIZED 130 °C RATED MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
2 CORE: FERRITE TOROID

BOBBIN RATING CLASS B (130 °C) REQUIRED
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED. CURRENT SENSOR.

UNIT: INCHES [MM]

QTY	CODE IDENT	MFG. P/N	DESCRIPTION	ITEM NO.

PARTS LIST

AUTOCAD	X		
SOLIDWORKS			
SIGN		DATE	
DRAWN	RPR	5/23/04	
CHECKED	JLAU	5/23/04	
ENGR.	KSUM	5/23/04	
APPR.	JLAU	5/23/04	

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

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353 W. Grove Ave.,
Orange, CA 92865

TITLE: Current Sense Transformer

SIZE B | DWG. NO. 72–305 | REV B

SCALE 4=1 | SHEET 1 OF 1

CAD–FILE: