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REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
C		PRODUCTION RELEASE	TDK	12/07/04	JLAU	12/07/04
D		REVISED DIMENSION AS SAME AS K63XXXXX47-A01	KLC	4/4/08	RL	4/4/08
E		REVISED NOTE #7 & NOTE #8	KLC	7/17/08	RL	7/17/08
F		REVISED DIMENSION	CT	12/17/08	KLC	12/17/08

11 BUILD TO RoHS COMPLIANCE AND LEAD FREE

OR OVEN CURED AS REQUIRED
10 DIP-VANISH WITH AC43 OR EQUAL AND AIR DRY

9 THIS IS CRITICAL MAXIMUM DIMENSION

8 BOTTOM OF CORE TO START OF TINNING
6.5±0.5 MM DIMENSION MEASURED FROM

7 TOP OF CORE TO START OF TINNING
13.5 MM DIMENSION MEASURED FROM

USING A PERMANENT MARKING METHOD
6 MARK PART NUMBER AND REVISION
WRAP INDUCTOR WITH TAPE, (PER NOTE 2)

TO THE CORE
MUST REST FLAT ON PCB). LEADS MUST BE TANGENT
FLUSH WITH THE COIL EDGE, AS SHOWN (I.E. COIL
5 REMOVE INSULATION AND TIN LEADS 7.0 MM MIN

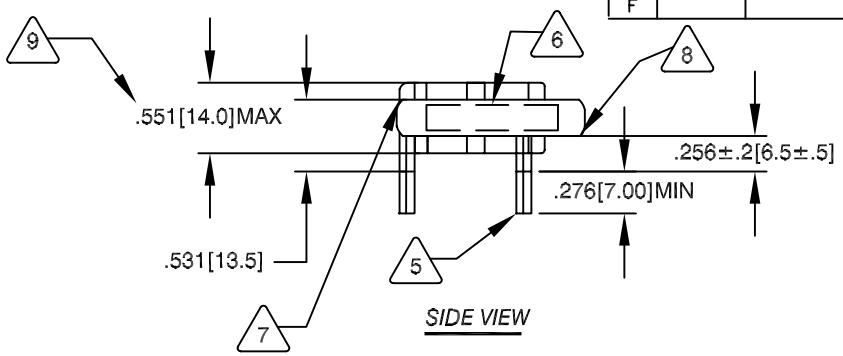
SIDE OF CORE AND EVENLY SPACED, POLARITY NOTED
WIND 4 TURNS, .072x .182 RECT. SINGLE LAYER ON EACH
4 CONSTRUCTION:

TO INSURE INTERGRITY OF WINDING SEPARATION
HI-POT TEST FOR INTERWINDING ISOLATION= 250VDC
POWER LOSS= 5.2 W MAX.@ 80A/COIL
DCR= .4 mOHMS MAX./COIL
L= 52 uH MIN / COIL, 70 uH NOM / COIL, 1 KHZ, 1Vrms
3 SPECIFICATIONS @ 25 °C:

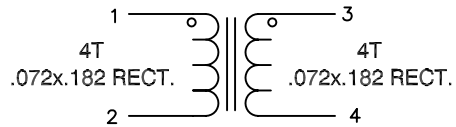
APPROVED PART
OUTER WRAP: 3M #11 OR #69 OR OTHER CWS
WIRE: UL RECOGNIZED 200°C RATING MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
2 CORE: COATED 6000 VOLT FERRITE TOROID, HIGH PERM MNZN

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

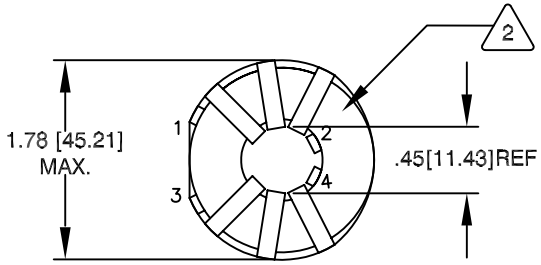
NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP



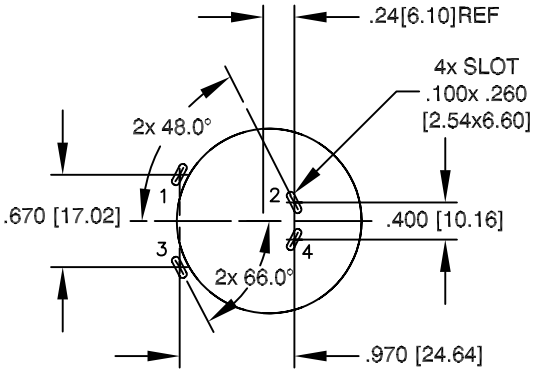
SIDE VIEW



SCHEMATIC



BOTTOM VIEW



MOUNTING HOLES PATTERN

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

PARTS LIST

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		

	X
AUTOCAD	
SOLIDWORKS	

SIGN		DATE
DRAWN	TDK	12/07/04
CHECKED	JLAU	12/07/04
ENGR.	KSUM	12/07/04
APPR.	JLAU	12/07/04

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Orange, CA. 92865

TITLE: Inductor Common Mode 70uH 80A

SIZE B | DWG. NO. C-36A29-06 | REV F

SCALE 1=1 | SHEET 1 OF 1

CAD-FILE: