REVISION HISTORY						
REV	ECN	DESCRIPTION	SIGN & DATE			
			BY	DATE	CHK	DATE
A		PRODUCTION RELEASE	TDK	7/16/06	JLAU	7/16/06
B		REVISED DIMENSIONS	RL	7/17/06	JLAU	7/17/06
C		ADDED NOTE #8, 9, 10, AND 11	KLC	10/7/08	CT	10/7/08
D		UPDATED	RLC	7/11/11	JLAU	7/11/11
E		CORRECTED PIN NO. ON MOUNTING HOLES PATTERN	TN	05/18/20	JL	05/18/20

11 BUILD TO RoHS COMPLIANCE AND LEAD FREE

OR OVEN CURED AS REQUIRED

10 DIP-VANISH WITH AC43 OR BC-346A OR EQUAL

△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

△6 USING A PERMANENT MARKING METHOD
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

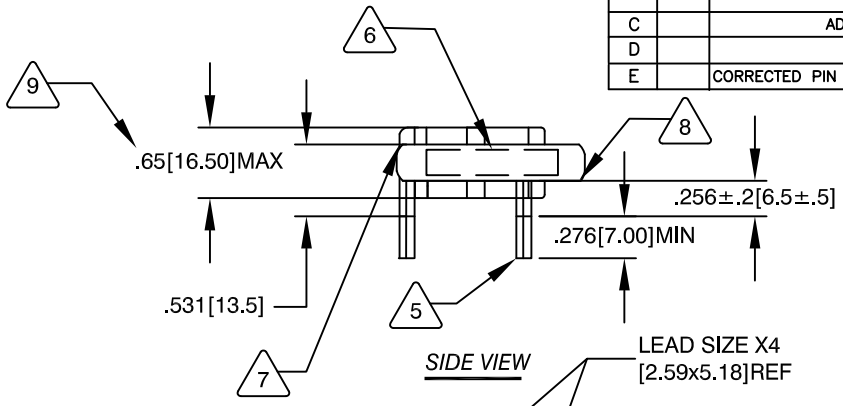
SIDE OF CORE AND EVENLY SPACED, POLARITY NOTED
WIND 4 TURNS, .102x .204 RECT. SINGLE LAYER ON EACH
4 CONSTRUCTION:

TO INSURE INTERGRITY OF WINDING SEPARATION
HI-POT TEST FOR INTERWINDING ISOLATION= 250VDC
POWER LOSS= 5.2 W MAX.@ 100A/COIL
DCR= .40 mOHMS MAX./COIL
L= 52 uH MIN / COIL, 70 uH NOM / COIL, 1 KHZ, 1Vrms
3 SPECIFICATIONS @ 25 °C:

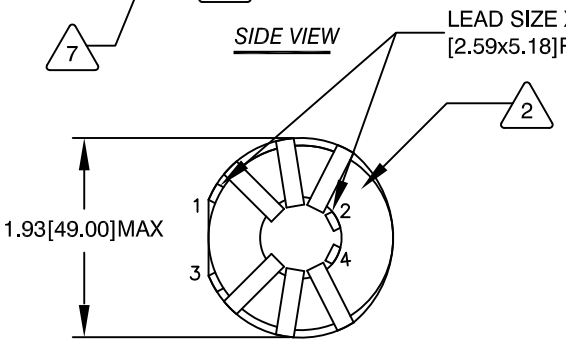
APPROVED PART
OUTER WRAP: 3M #11 OR #69 OR OTHER CWS
WIRE: UL RECOGNIZED 200°C RATING MAGNET WIRE
CWS BYTEMARK OR OTHER APPROVED PART
△2 CORE: RATED 6000 VOLT FERRITE TOROID INSULATION, HIGH PERM MNZN

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

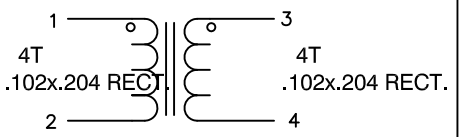
NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP



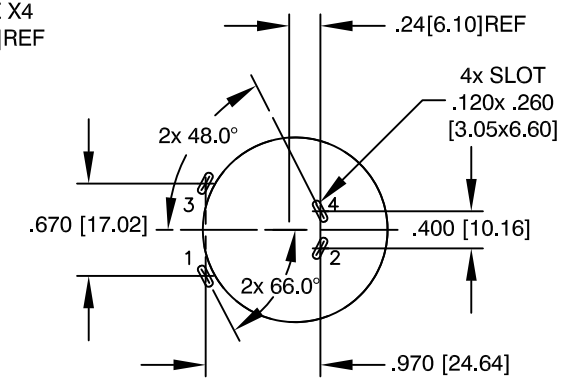
SIDE VIEW



BOTTOM VIEW



SCHEMATIC



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	7/16/06
CHECKED	JLAU	7/16/06
ENGR.	KSUM	7/16/06
APPR.	JLAU	7/16/06

COILWS COM, INC
www.coilws.com
CWS Coil Winding Specialist.
353 W Grove Ave
Orange, CA. 92865

TITLE: Inductor Common Mode 70uH 100A

SIZE	DWG. NO.	REV
B	C-36A29-09	E

SCALE 1=1 SHEET 1 OF 1

CAD-FILE: