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| 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 | RCL | 7/11/11 | JLAU | 7/11/11 |

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)

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

4 SIDE OF CORE AND EVENLY SPACED, POLARITY NOTED
WIND SINGLE LAYER ON EACH
CONSTRUCTION:

3 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
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

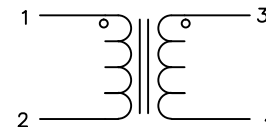
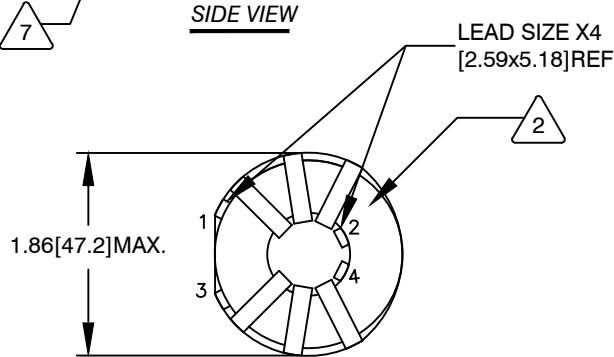
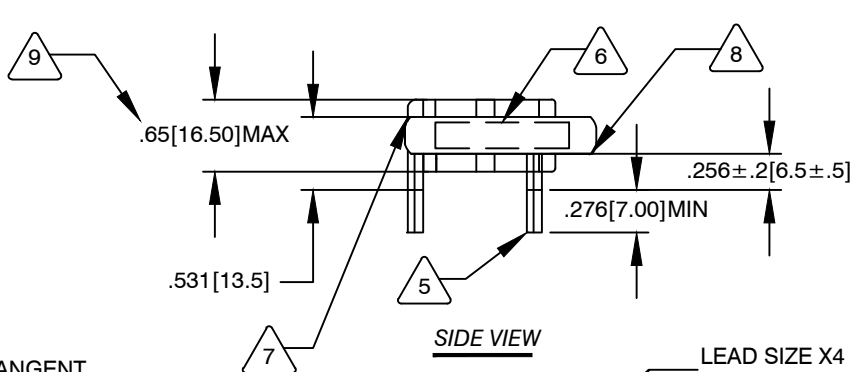
2 CORE: RATED 6000 VOLT FERRITE TOROID INSULATION, HIGH PERM MNZN

CLASS B (130°C) REQUIRED

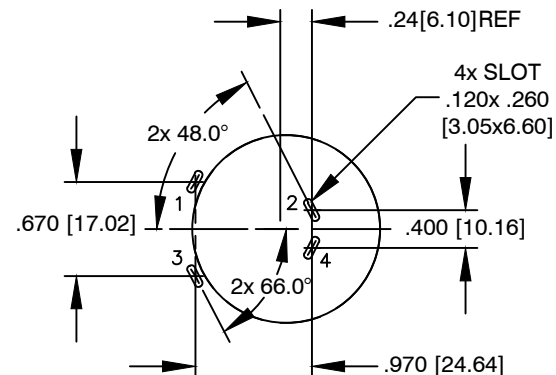
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY

NOTES: UNLESS OTHERWISE SPECIFIED, READ FROM BOTTOM UP

CAGE CODE = 5DME2



SCHEMATIC



MOUNTING HOLES PATTERN

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

| QTY | CODE IDENT | MFG. P/N | DESCRIPTION | ITEM NO. |
|-------------------|------------|------------|--|--------------|
| PARTS LIST | | | | |
| AUTOCAD | | X | | |
| SOLIDWORKS | | | | |
| DRAWN | TDK | 7/16/06 | COILWS COM, INC www.coilws.com CWS Coil Winding Specialist. 353 W Grove Ave Orange, CA. 92865 | |
| CHECKED | JLAU | 7/16/06 | | |
| ENGR. | KSUM | 7/16/06 | TITLE: | |
| APPR. | JLAU | 7/16/06 | Inductor Common Mode 70uH 100A | |
| | SIZE | DWG. NO. | | REV |
| | B | C-36A29-09 | | D |
| | SCALE | 1=1 | | SHEET 1 OF 1 |

CAD-FILE: