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SCHEMATIC

7 BUILT TO ROHS COMPLIANCE AND LEAD FREE.

6 WHERE SHOWN, USING A PERMANENT MARKING METHOD IF APPLICABLE. MARK PART NUMBER AND REVISION

5 FLUSH WITH THE COIL EDGE, AS SHOWN
REMOVE INSULATION AND TIN LEADS APPROX. 0.75 INCH

4 WIND WIRE TO CORE EVENLY SPACED
CONSTRUCTION:

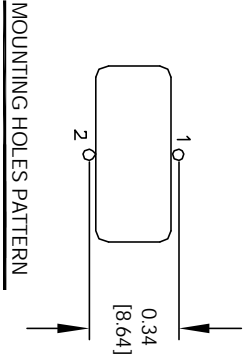
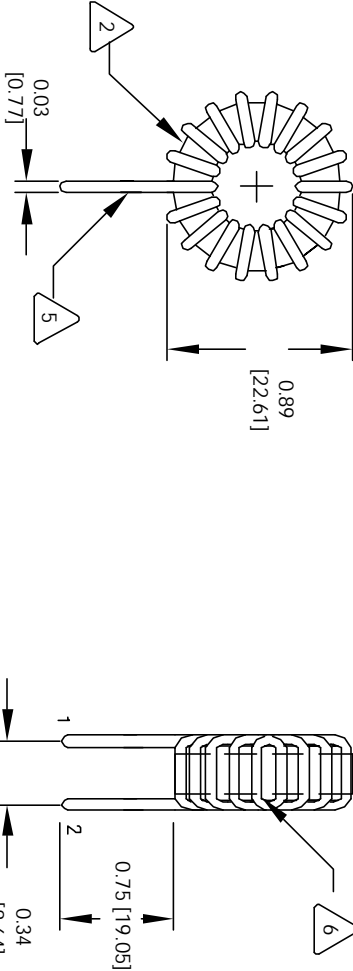
WEIGHT = 13.8 GRAMS
HI-POT TEST FOR WIRE TO CORE = 500 VDC
INDUCTANCE @ RATED CURRENT = 140.0 uH
DC CURRENT RATING = 3.0 AMPS MAX
DCR = 114 MILLI-OHMS, MAX
INDUCTANCE @ 0 AMPS = 270.0 uH, $\pm 20\%$, 1 KHZ., 0.25 Vrms
SPECIFICATIONS @ 25 °C

3 WIRE: UL RECOGNIZED 130°C RATED MAGNET WIRE
CORE: COATED IRON POWDER

2 CORE COATING RATING CLASS B (130°) REQUIRED
1 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY
NOTES: UNLESS OTHERWISE SPECIFIED, TOROIDAL INDUCTOR
READ FROM BOTTOM UP.


| REVISION HISTORY | | | | | |
|------------------|-----|--------------------|-------------|---------|---------|
| REV | ECN | DESCRIPTION | SIGN & DATE | | |
| | | | BY | DATE | DATE |
| C | | PRODUCTION RELEASE | RPR | 6/20/06 | 6/20/06 |

VERTICAL CONFIGURATION



MOUNTING HOLES PATTERN

| CODE | | MFG. P/N | DESCRIPTION | ITEM NO. |
|------------|------|----------|--|--|
| IDENT | | | | |
| PARTS LIST | | | | |
| AUTOCAD | | X | COIL WS.COM, INC www.coilws.com | CWS Coil Winding Specialist. 353 W. GROVE AVENUE ORANGE, CA. 92665 |
| SOLIDWORKS | | | | |
| SIGN | | DATE | | |
| DRAWN | RPR | 6/20/06 | | |
| CHECKED | JLU | 6/20/06 | Power Toroidal Inductors Vertical Mount | |
| ENGR. | KSUM | 6/20/06 | | |
| APPR. | JLU | 6/20/06 | | |
| SIZE | | DWG. NO. | TC-271M-3A-80V | |
| B | | | REV C | |
| SCALE | | 2=1 | SHEET 1 OF 1 | |

| |
|--|
| UNLESS OTHERWISE SPECIFIED |
| DIMENSIONING AND TOLERANCE PER ANSI Y14.5M |
| ALL DIMENSIONS ARE IN INCHES AND FRACTIONS |
| TOLERANCE INCHES: XXX±.005 X±.010 XXX±.005 XXX±.005 XXX±.12 XXX±.08 |
| ANGLE PROJECTION  |
| DO NOT SCALE DRAWING |