

The information contained in this drawing is the sole property of CWS Coil Winding Specialist. Any reproduction in part or whole without written permission of CWS Coil Winding Specialist is prohibited.



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

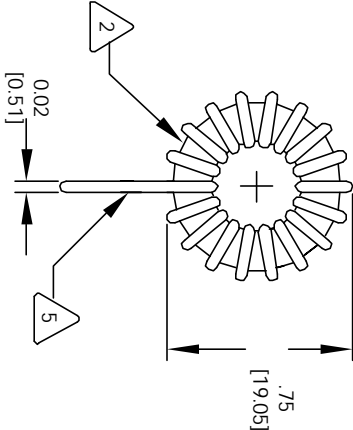
4 WIND WIRE TO CORE EVENLY SPACED  
CONSTRUCTION:

WEIGHT = 7.8 GRAMS  
HI-POT TEST FOR WIRE TO CORE = 500 VDC  
INDUCTANCE @ RATED CURRENT = 355.0 uH  
DC CURRENT RATING = 1.0 AMPS MAX  
DCR = 363 MILLIOHMS, MAX  
INDUCTANCE @ 0 AMPS = 500.0 uH,  $\pm$  20%, 1 KHz., 0.25 Vrms  
SPECIFICATIONS @ 25 °C

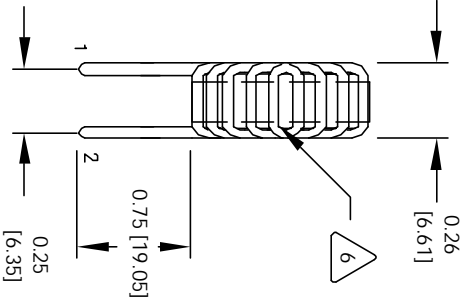
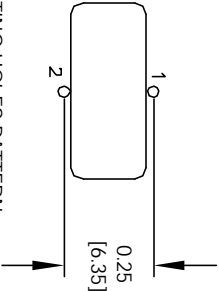
3 WIRE: UL RECOGNIZED 130°C RATED MAGNET WIRE  
CORE: COATED IRON POWDER

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.

VERTICAL CONFIGURATION



MOUNTING HOLES PATTERN



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

| CODE       | IDENT          | MFG. P/N                                   | DESCRIPTION | ITEM NO. |
|------------|----------------|--|-------------|----------|
| PARTS LIST |                |  |             |          |
| AUTOCAD    |                | X  |             |          |
| SOLIDWORKS |                |  |             |          |
| SIGN       |                | DATE                                       |             |          |
| DRAWN      | RPR            | 6/20/06                                    |             |          |
| CHECKED    | JLU            | 6/20/06                                    |             |          |
| ENGR.      | KSUM           | 6/20/06                                    |             |          |
| APPR.      | JLU            | 6/20/06                                    |             |          |
| SIZE       | DWG. NO.       | TITLE                                      |             |          |
| B          | TC-501M-1A-68V | Power Toroidal Inductors<br>Vertical Mount |             |          |
| SCALE      | 2=1            |  |             |          |