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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:

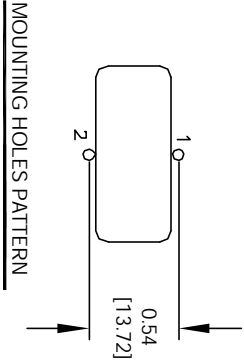
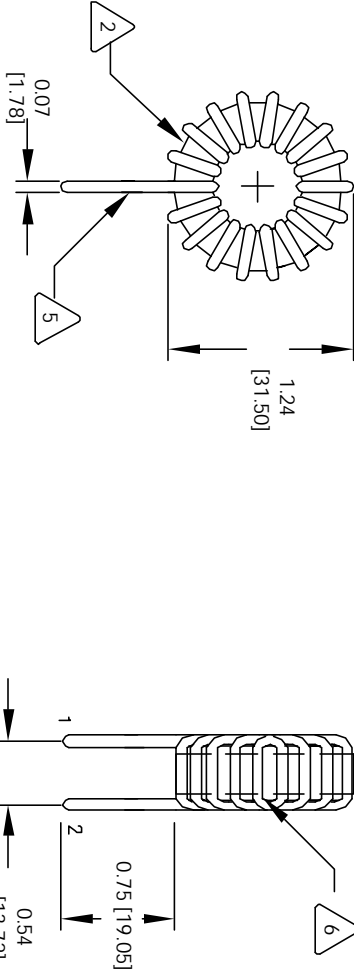
WEIGHT = 48.8 GRAMS
HI-POT TEST FOR WIRE TO CORE = 500 VDC
INDUCTANCE @ RATED CURRENT = 46.0 uH
DC CURRENT RATING = 7.0 AMPS MAX
DCR = 13 MILLI-OHMS, MAX
INDUCTANCE @ 0 AMPS = 68.0 uH, $\pm 20\%$, 1 KHZ., 0.25 Vrms
SPECIFICATIONS @ 25 °C

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 |
| B | | PRODUCTION RELEASE | RPR | 6/22/06 | 6/22/06 |

VERTICAL CONFIGURATION



MOUNTING HOLES PATTERN

| CODE | IDENT | MFG. P/N | DESCRIPTION | ITEM NO. |
|--------------------------|-------|----------|-------------|----------|
| PARTS LIST | | | | |
| AUTOCAD | | X | | |
| SOLIDWORKS | | | | |
| SIGN | | DATE | | |
| DRAWN | RPR | 6/22/06 | | |
| CHECKED | JLU | 6/22/06 | | |
| ENGR. | KSUM | 6/22/06 | | |
| APPR. | JLU | 6/22/06 | | |
| TITLE | | | | |
| Power Toroidal Inductors | | | | |
| Vertical Mount | | | | |
| SIZE [DWG. NO.] | | | | |
| B TC-680M-7A-106V | | | | |
| SCALE | | | | |
| 2=1 | | | | |
| SHEET 1 OF 1 | | | | |