

PROPRIETARY DATA:  
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# NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIALS: UL RECOGNIZED 94V-2  
FLAMMABILITY RATING CLASS B (130°C)  
REQUIRED.

1.1 CORE: TOROID,  $\mu = 5000$   
MAGNETICS: ZJ-43806-TC OR  
PERMACOR: 87-9040-26

1.2 WIRE: U.L. RECOGNIZED 130°C RATING  
MAGNET WIRE

1.3 OUTER WRAP: 3M #11 OR #69  
OR PERMASIL #213 OR 286

## 2. SPECIFICATIONS:

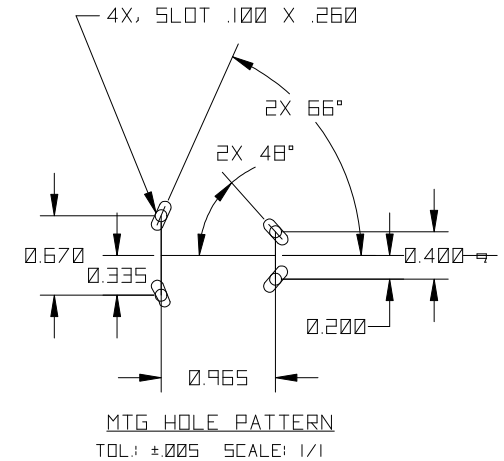
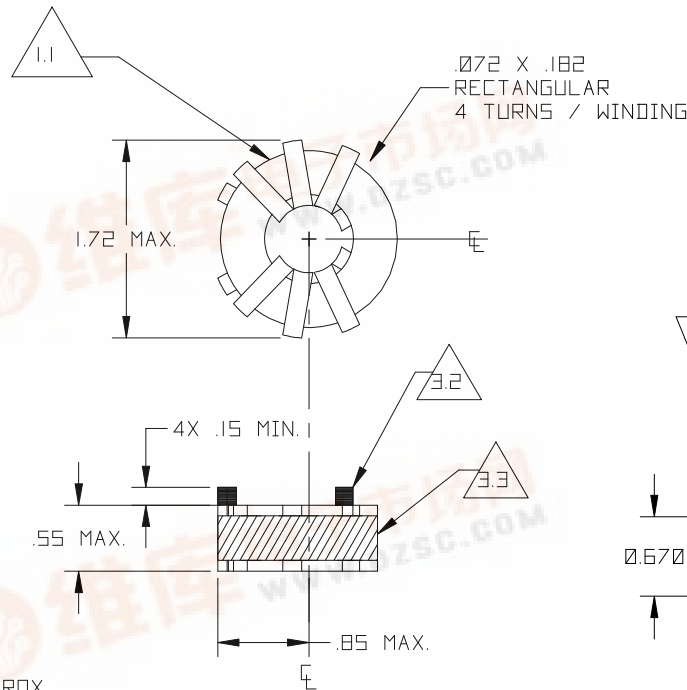
2.1 L = 52  $\mu$ H MIN/COIL (1 KHZ, <1Vrms)  
2.2 DCR = .4 MOHMS MAX/COIL  
2.3 POWER LOSS = 5.2W MAX @ 80A/COIL  
2.4 HI-POT TEST COIL TO COIL, 250VDC  
TO INSURE INTEGRITY OF WINDING  
INSULATION COVERING HAS NOT BEEN  
BREACHED.

## 3. CONSTRUCTION:

3.1 WIND COILS EVENLY SPACED (NOTE  
POLARITY)

3.2 REMOVE INSULATION AND TIN LEADS APPROX  
FLUSH WITH THE COIL, AS SHOWN (I.E. COIL  
MUST REST FLAT ON PCB). LEADS MUST BE  
TANGENT TO THE CORE.

3.3 WRAP INDUCTOR WITH TAPE, (PER NOTE 1.3).  
MARK PART NUMBER AND REVISION IN (BLACK) APPROX.  
WHERE SHOWN, USING A PERMANENT MARKING METHOD.



DWG NO. 36-00029-06

SH 1 REV C1

## REVISIONS

| ECO  | REV | DESCRIPTION                        | DATE     | APPROVED |
|------|-----|------------------------------------|----------|----------|
| 687  | A   | CHANGED MATERIAL                   | 7-25-97  | RBD      |
| 730  | B   | CHG: NOTE 2.1, WAS: L = 56 $\mu$ H | 12-18-97 | RBD      |
| 1023 | C   | CHG: NOTES 2.1, & 3.3 PER ECO      | 05-15-00 | RBD      |
| ---  | CI  | ADD PERMACORE 87-9040-26           | 11/10/00 | RBD      |

|  |  |                                                                                                                                      |                                            |  |                                                                                                                            |
|--|--|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------|
|  |  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>FRACTIONS .XX ± .05 ANGLES ± 3°<br>DECIMALS .XXX ± .020 | CONTRACT NO.<br>---                        |  |  WESTCOR a division of<br>VICOR Corp. |
|  |  | MATERIAL<br>SEE NOTES                                                                                                                | APPROVALS<br>DRAWN M.E. ITURRALDE 12/26/96 |  | IND COMMON MODE 70 $\mu$ H 80A                                                                                             |
|  |  | FINISH<br>---                                                                                                                        | CHECKED LKING 7/25/97                      |  | SIZE<br>B                                                                                                                  |
|  |  | APPLICATION<br>DO NOT SCALE DRAWING                                                                                                  | APPROVED R.B. DRABING 7/25/97              |  | CAGE CODE<br>---                                                                                                           |
|  |  |                                                                                                                                      | DESIGNED R.CABALLERO 12/03/96              |  | DWG NO.<br>36-00029-06                                                                                                     |
|  |  |                                                                                                                                      |                                            |  | REV<br>CI                                                                                                                  |
|  |  |                                                                                                                                      |                                            |  | SCALE<br>NTS                                                                                                               |
|  |  |                                                                                                                                      |                                            |  | FILENAME<br>36-00029-06.DWG                                                                                                |
|  |  |                                                                                                                                      |                                            |  | SHEET<br>1 OF 1                                                                                                            |

