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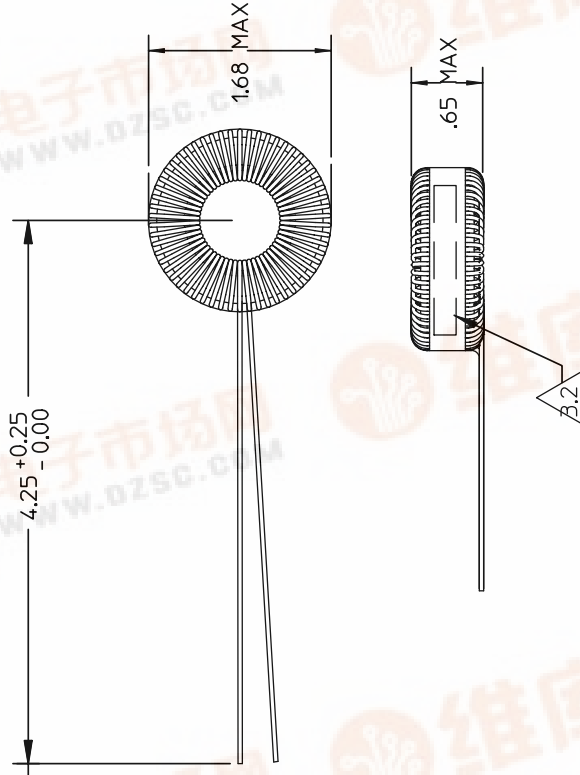
NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIALS:
  - 1.1 CORE: TOROID - 1.300 X .785 X .420 (IRON POWDER - LOW LOSS,  $\mu = 60$ )  
MAGNETICS: 77071-A7
  - 1.2 WIRE: UL, RECOGNIZED 130°C (MIN) RATING  
MAGNET WIRE-SOLDERABLE
  - 1.3 OUTERWRAP UL RECOGNIZED (UL 510)  
PERMASIL: #213, #286 OR 3M #69
2. SPECIFICATIONS:
  - 2.1  $L = 1.38\text{mH} \pm 25\%$  @ 1mA, MIN/COIL (1KHZ,  $<1\text{Vrms}$ )
  - 2.2  $L = .45\text{mH}$  TYPICAL @ 6 ADC BIAS, 1 KHZ.  
TEST FREQUENCY
  - 2.3 DCR = .25 OHMS MAX
3. CONSTRUCTION:
  - 3.1 WIND COIL EVENLY SPACED
  - 3.2 WRAP INDUCTOR WITH TAPE, (PER NOTE 1.3).  
MARK PART NUMBER AND REVISION IN (BLACK) APPROX.  
WHERE SHOWN, USING A PERMANENT MARKING METHOD.



SCHEMATIC

| REVISION HISTORY |     |                                |          |          |
|------------------|-----|--------------------------------|----------|----------|
| ECO              | REV | DESCRIPTION                    | DATE     | APPROVED |
| 431              | A   | PRODUCTION RELEASE             | 03-21-96 | RBD      |
| 567              | B   | DM:2.79 IS:4.25+.25~-0 AD TOL  | 07-19-96 | RBD      |
| 605              | C   | DM MAX DIA WAS 1.53            | 12-31-98 | RBD      |
| 1023             | D   | CHG NOTES 2.1 & 3.2, TITLE CHG | 06-13-00 | RBD      |
| 1225             | D1  | ADD MATERIAL COMPLIANCE NOTE   | 06/19/03 | LGK      |



NOTE: CERTIFICATION OF MATERIAL COMPLIANCE REQUIRED

|                                                        |                                    |                        |             |                                             |           |
|--------------------------------------------------------|------------------------------------|------------------------|-------------|---------------------------------------------|-----------|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |                                    | THIRD ANGLE PROJECTION |             | WESTCOR <b>VICOR</b> Corp.<br>a division of |           |
| FRACTIONS<br>* 1/32                                    | DECIMALS<br>XX * .01<br>XXX * .005 | APPROVALS              | DATE        | SIZE                                        | CAGE CODE |
| MATERIAL                                               | SEE NOTES                          | DRAWN                  | SKETCH      | B                                           | --        |
| FINISH                                                 | SEE MIS                            | CHECKED                | LSANTOS     | DMG NO.                                     | 36-00036  |
| USED ON                                                | USED ON                            | APPROVED               | RB, DRAWING | SCALE                                       | NTS       |
| DO NOT SCALE DRAWING                                   | DO NOT SCALE DRAWING               | 3/21/96                | 3/21/96     | 1 OF 1                                      | SHEET     |

INDUCTOR TOROID  
1MH 4A 1.68 DIA X .65 WIDE