

PROPRIETARY DATA:
This document and information contained
may not be reproduced, used or disclosed
without prior written permission of WESTCOR
a division of VICOR Corporation.

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 OR

SHANGHAI SUPER LIGHT ELECTRONICS COMPONENTS LTD.
P/N: T38X19X6.35-C. MATERIAL R5K (CAN BE USED IF ROHS COMPLIANT)

1.2 WIRE: UL RECOGNIZED 130°C MINIMUM RATING MAGNET WIRE. APPROVED MFR: ESSEX
OTHER MFR HAS TO BE ROHS COMPLIANT CERTIFIED BEFORE USE.

1.3 OUTER WRAP: 3M #69 OR #1350F, OR SAINT-GOBAIN #M706.

1.4 MATERIAL CERTIFICATE OF COMPLIANCE REQUIRED.

2. SPECIFICATIONS:

2.1 $L = 82 \mu\text{H}$ MIN/COIL (1 KHZ, $<1\text{Vrms}$)

2.2 DCR = 0.6 MOHMS MAX/COIL

2.3 POWER LOSS = 4.3 W MAX @ 60A/COIL

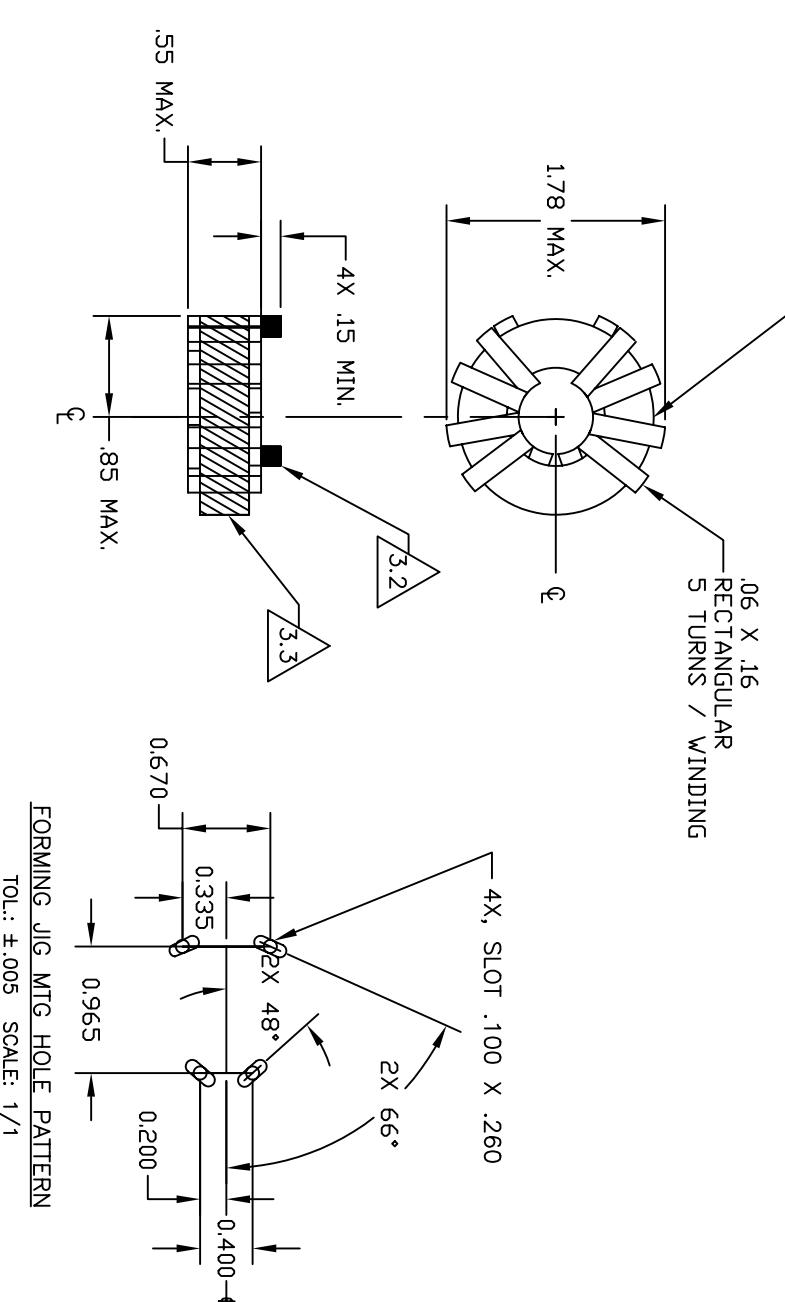
2.4 HI-POT TEST COIL TO COIL, 250VDC TO INSURE INTEGRITY OF WINDING
INSULATION COVERING HAS NOT BEEN BREACHED.

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.



3.4 COIL LEADS MUST FUNCTION FIT INTO A JIG MADE PER THE DIMENSIONS SHOWN
ON "FORMING JIG MTG HOLE PATTERN" TO INSURE PROPER POSITION AND ANGLE.

NOTE: CERTIFICATION OF MATERIAL COMPLIANCE REQUIRED.
COMPLETED ASSEMBLY MUST BE (RoHS) COMPLIANT
PER VICOR SPEC CST-0001.

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES | | | | CONTRACT NO. | |
|--|--|--|--|--------------|--|
| $\pm .005$ $\pm .020$ | | | | --- | |

| MATERIAL | SEE NOTES | DRAWN | APPROVALS | DATE | IND COMMON MODE 110UH 60A |
|-------------|----------------------|----------|----------------|-------------|-----------------------------------|
| --- | SEE MIS | 12/3/96 | M.E. ITURRALDE | 7/25/97 | |
| NEXT ASSY | USED ON | FINISH | APPROVED | R.B.DRABING | 7/25/97 |
| APPLICATION | DO NOT SCALE DRAWING | DESIGNED | R.CABALLERO | 12/13/96 | SCALE NTS FILENAME:6-00029-07.DWG |