

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 OR

SHANGHAI SUPER LIGHT ELECTRONICS COMPONENTS LTD.

P/N T38X19X635-C. MATERIAL RSK (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.

1.4 MATERIAL CERTIFICATE OF COMPLIANCE REQUIRED.

2. SPECIFICATIONS

2.1 L = 82 μ H MIN/COIL (1 KHZ, 4Vrms)

2.2 DCR = 0.6 OHMS MAX/COIL

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

2.4 HI-POT TEST COIL TO COIL, 360VDC TO INSURE INTEGRITY OF WINDING
INSULATION COVERING HAS NOT BEEN BREACHED

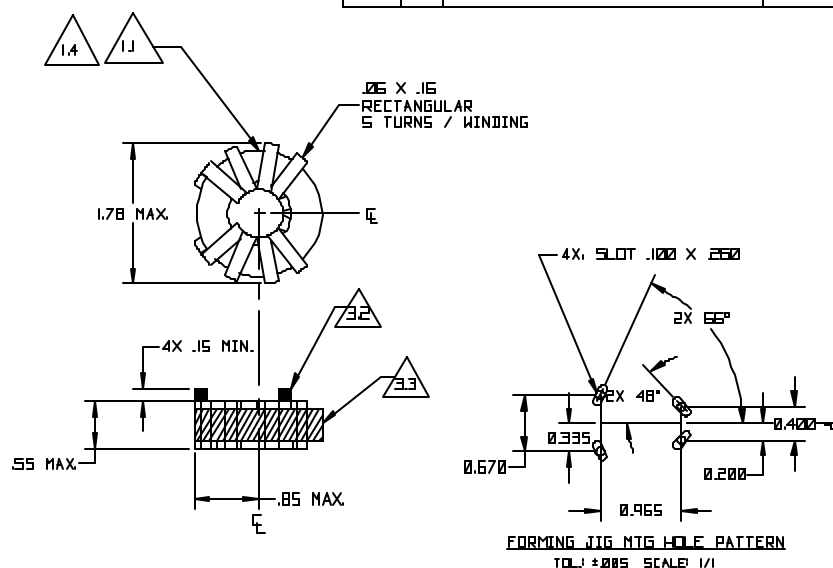
3. CONSTRUCTION:

3.1 WIND COILS EVENLY SPACED (NOTE POLARITY)

3.2 REMOVE INSULATION AND TIN LEADS APPROX FLUSH WITH THE COIL AS SHOWN
(IE. 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 MTS 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:		CONTRACT NO. ---		WESTCOR a division of VICOR Corp.	
		FRACTIONS	DECIMALS	ANGLES	APPROVALS		DATE
		---	.XX ± .05	± 3°	DRAWN N.E. ITURRALDE		12/3/96
		---	.XXX ± .020		CHECKED L.KING		7/26/97
		MATERIAL SEE NOTES		APPROVED R.BORRADO		7/25/97	
		FINISH ---		DESIGNED R.CABALLERO		2/12/96	
		APPLICATION DO NOT SCALE DRAWING		SIZE NTS		FILE NAME 36-00029-07.DWG	
				SCALE		SHEET 1 OF 1	

REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
687	A	CHANGED MATERIAL	7-25-97	RBJ
730	B	CHG: NOTE 2J, WAS L = 88 μ H.	12-18-97	RBJ
1023	C	CHG: NOTES 2.1, & 3.3 PER ECO	05-15-00	RBJ
---	C1	ADD PERMACOR 87-9040-26	11/10/00	RBJ
---	C2	CERT. OF COMPLIANCE CHANGES	6/5/03	RO
1417	C3	ADD SOURCE SHANGHAI SUPER ELECT	09/07/04	RBJ
1462	D	ADDED ROHS SPEC NOTE	06/21/05	LGK
1543	E	TAPE # 1350F WAS # 1298	09/01/05	LGK