

PROPRIETARY DATA!
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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 RSK (CAN BE USED IF ROHS COMPLIANT)

1.2 WIRE: U.L. 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 869 OR #1350F.

1.4 MATERIAL CERTIFICATE OF COMPLIANCE REQUIRED

2. SPECIFICATIONS:

2.1 $L = 52 \mu H$ MIN/COIL (1 KHZ, $4V_{rms}$)

2.2 DCR = 4 ± 0.05 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.

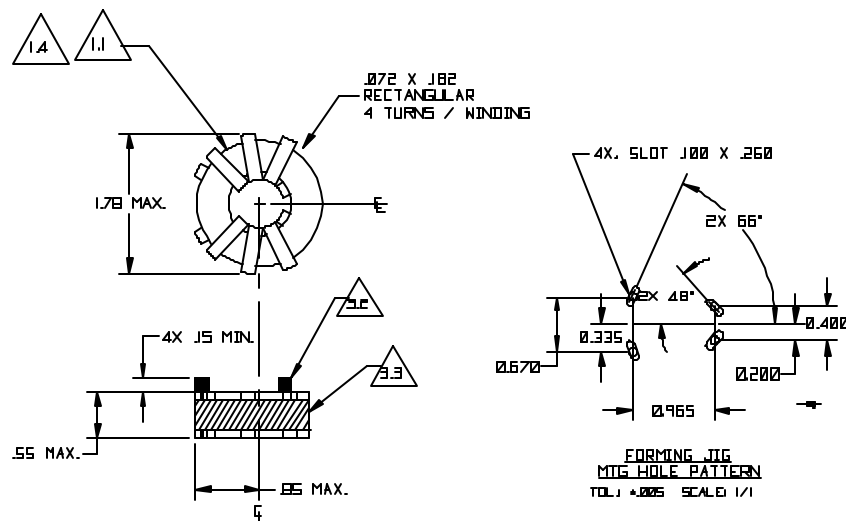
3. CONSTRUCTION

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.

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.

DWG NO. 36-00029-06

SH I REV E

REVISIONS

ECO	REV	DESCRIPTION	DATE	APPROVED
687	A	CHANGED MATERIAL	7-25-97	RBD
730	B	CHG: NOTE 2.1, WAS: L = 56 μH	12-18-97	RBD
1023	C	CHG: NOTES 2.1, & 3.3 PER ECO	05-15-00	RBD
---	C1	ADD PERMACORE 87-9040-26	11/10/00	RBD
---	C2	CERT. OF COMPLIANCE CHANGES	6/5/03	RD
1417	C3	ADD SOURCE SHANGHAI SUPER ELECT	09/07/04	RBD
1462	D	ADDED ROHS SPEC NOTE	06/21/05	LGK
1543	E	TAPE # 1350F WAS # 1298	09/01/05	LGK

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ▲ — XX ▲ .05 ▲ 3° XXX ▲ .025	CONTRACT NO. —		 WESTCOR is a division of VICOR Corp.				
			APPROVALS	DATE					
			MATERIAL	DRAWN	HE. JUDRALD	12/08/10	IND COMMON MODE 70μH 80A		
	—	SEE NOTES	CHECKED	LJONG	7/25/97				
		FINISH	APPROVED	REBALLING	7/25/97	SIZE	CAGE CODE	DWG NO.	REV
	NEXT ASSY	USED ON				8	—	36-00029-06	E
APPLICATION		DO NOT SCALE DRAWING	DESIGNED	R.CABALLERO	12/03/96	SCALE	NTS	FILENAME=360029-06.DWG	SHEET 1 OF 1