

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

REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
473	A	PRODUCTION RELEASE	11/9/95	RBD
687	B	CHANGED CORE MATERIAL	7/25/97	RBD
730	C	CHGNOTE 1.1 & 2.1 WAS L=250 UH	12/18/97	RBD
---	C1	CHG FR 1.72 MAX TO 1.75 MAX	3/16/98	LGK
1023	D	CHG NOTES 2.1 AND 3.3 PER ECO	05/15/00	RBD
---	D1	ADD PERMACORE 87-9040-26	11/10/00	RBD
1417	D2	ADD SOURCE SHANGHI SUPER ELECT	09/07/04	RBD
1462	E	ADDED ROHS SPEC NOTE	06/21/05	LGK
1543	F	TAPE # 1350F WAS # 129B	09/01/05	LGK

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
 SHANGHAI SUPER LIGHT ELECTRONICS COMPONENTS LTD.
 P/N 13BX19X6.35-C MATERIAL RSK (CAN BE USED IF ROHS COMPLIANT)

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

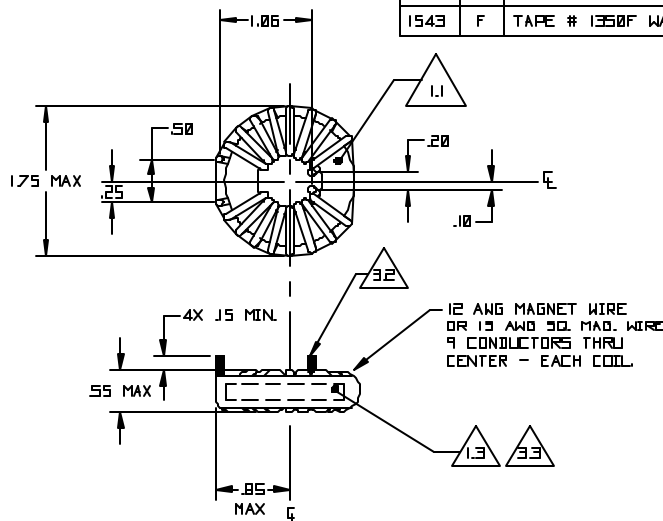
1.3 OUTER WRAP: 3M #11 OR H69 OR #1350F
 OR PERMACEL P-213

2. SPECIFICATIONS

- 2.1 L = 250 μ H MIN/COIL (1KHZ, <1Vrms)
- 2.2 DCR = 2 MOHMS MAX/COIL
- 2.3 POWER LOSS = 6.4 W MAX @ 40A/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 CORE
 AS SHOWN, (I.E. COIL MUST REST FLAR ON PCB).
- 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.



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 • --- XX • .85 • 3° • XXX • .008	---			
		MATERIAL	DRAWN	BST/VER	IND COMMON MODE 350 μ H 40A	
		SEE NOTES	CHECKED	H.A. POMERS	11/06/95	
---	SEE MIS	FINISH	APPROVED	R.B. DRABING	1/13/98	SIZE CASE CODE
NEXT ASSY	USED ON	---	DESIGNED	R.B. DRABING	8-4-94	DWG NO.
APPLICATION		DO NOT SCALE DRAWING			SCALE	NTS
					FILE NAME	36-00029-01
					SHEET	1 OF 1