

Excellent Integrated System Limited

Stocking Distributor

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[Vicor Corporation](#)
[36-00029-04](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

DRG NO. 36-00029-04 SH1 REV F

REVISIONS

ECO	REV	DESCRIPTION	DATE	APPROVED
473	A	PRODUCTION RELEASE	12-5-95	RBD
687	B	CHANGED MATERIAL	7-25-97	RBD
730	C	CHG NOTE 1.1 & 2.1 WAS: L= 1MH.	12-01-97	RBD
1023	D	CHG: NOTES 2.1 & 3.3 PER ECO	05-13-00	RBD
---	D1	ADD PERMACORE B7-9040-26	11/10/00	RBD
1417	D2	ADD SOURCE SHANGHAI SUPER ELECT	09/07/04	RBD
1462	E	ADDED ROHS SPEC NOTE	05/21/05	LGK
1543	F	TAPE # 1350F WAS # 129B	07/01/05	LGK

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: B7-9040-26
SHANGHAI SUPER LIGHT ELECTRONICS COMPONENTS LTD.
P/N: T38K19X6.35-C, MATERIAL R5K (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.

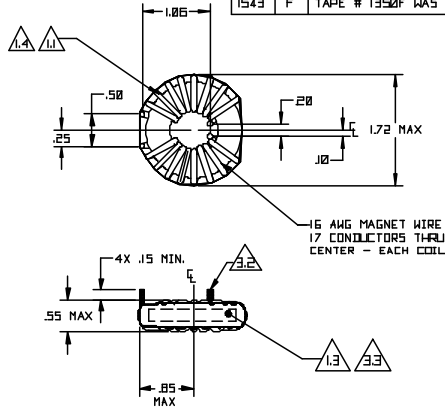
- 1.3 OUTER WRAP: 3M #11 OR #69 OR #1350F
OR PERMACEL #213

2. SPECIFICATIONS

- 2.1 L = .95mH MIN/COIL (1KHZ, I_{Vrms})
- 2.2 DC R = 10 mOHMS MAX/COIL
- 2.3 POWER LOSS = 2.0 W MAX @ 10A/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 FLAT 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 EST-0001.

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		CONTRACT NO.		WESTCOR a division of VICOR Corp.	
		FRACTIONING	DECIMALS	---		IND COMMON MODE 1.27mH 10A	
		SEE NOTES		APPROVALS	DATE		
		MATERIAL	FINISH	DRAWN	REVIEWER	8/28/94	
---	SEE MIS			CHECKED	LKING	7/26/97	
NEXT ASBY	USED ON			APPROVED	R.B. DRABING	SIZE	8
APPLICATION		DO NOT SCALE DRAWING		DESIGNED	R.B. DRABING	CAGE CODE	---
						DRG NO.	36-00029-04
						REV	F
				SCALE	NTS	FILENAME	36-00029-04
						SHEET	1 OF 1