

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, μ = 5000

MAGNETICS: ZJ-43806-1C OR

PERMACOR: 87-9040-26, R5K

SHANGHAI SUPER LIGHT ELECTRONICS COMPONENTS LTD.

P/N: T38X19X6.35-C. MATERIAL R5K (CAN BE USED IF ROHS COMPLIANT)

1.2 WIRE: U.L. 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 SAINT-GOBAIN #M706

2. SPECIFICATIONS:

2.1 L = 260 μ H MIN/COIL (1KHZ, <1Vrms)

2.2 DCR = 2.2 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.

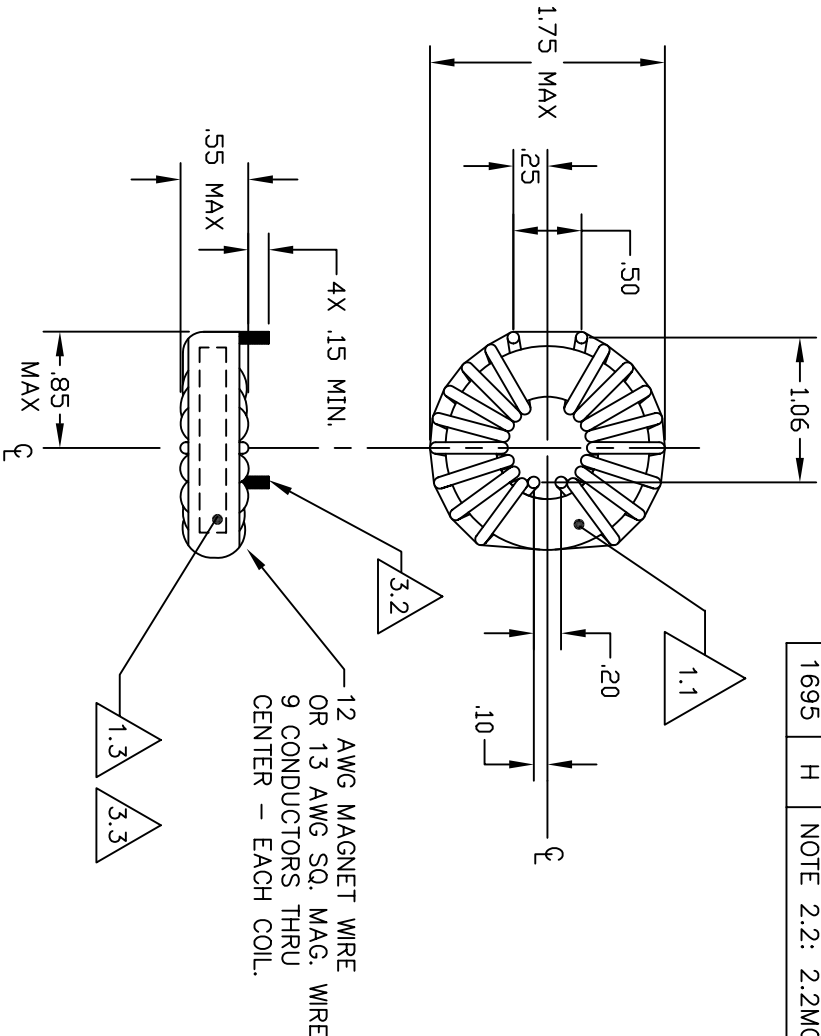
3. CONSTRUCTION:

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.

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	CHG:NOTE 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 SHANGHAI SUPER ELECT	09/07/04	RBD
1462	E	ADDED ROHS SPEC NOTE	06/21/05	LGK
1543	F	TAPE # 1350F WAS # 1298	09/01/05	LGK
1663	G	REPLACE P-213 WITH TAPE #M706	7/18/06	LGK
1695	H	NOTE 2.2: 2.2MOHMS WAS 2MOHMS	10-13-06	LGK



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. IND COMMON MODE 350uH 40A						
		FRACTIONS	DECIMALS	ANGLES	APPROVALS					DATE		
		± ----	.XX ± .05	± 3°								
		.XXX ± .020										
		MATERIAL			DRAWN					B.STOVER		
		SEE NOTES			CHECKED		11/06/95					
		FINISH			H.A. POWERS		1/13/95					
		NEXT ASSY			USED ON		APPROVED		R.B.DRABING			
		APPLICATION			DO NOT SCALE DRAWING		DESIGNED		R.B. DRABING			
					SCALE		NTS		FILENAME: 36-00029-01			
					SHEET		1		OF 1			