

DWG NO. 36-00037 SH 1 REV C

**PROPRIETARY DATA:**

This document and information contained may not be reproduced, used or disclosed without prior written permission of WESTCOR 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-42109-TC

1.2 WIRE: U.L. RECOGNIZED 130°C MINIMUM RATING MAGNET WIRE. APPROVED MFR: ESSEX  
OTHER MFRS HAVE TO BE ROHS COMPLIANT CERTIFIED BEFORE USE.

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

1.4 MATERIAL CERTIFICATE OF COMPLIANCE REQUIRED.

2. SPECIFICATIONS:

2.1 L = 330  $\mu$ H MIN/COIL @ 1KHz, 250mV

2.2 DCR = 4.5 mOHMS MAX/COIL

2.3 POWER LOSS = 3.6 W MAX @ 20A/COIL

2.4 HI-POT TEST COIL TO COIL, 250VDC TO INSURE COVERING HAS NOT BEEN BREACHED

3. CONSTRUCTION:

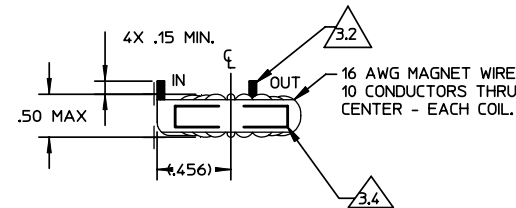
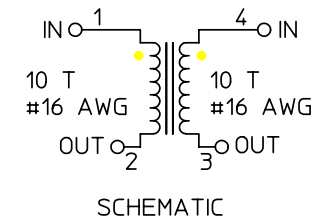
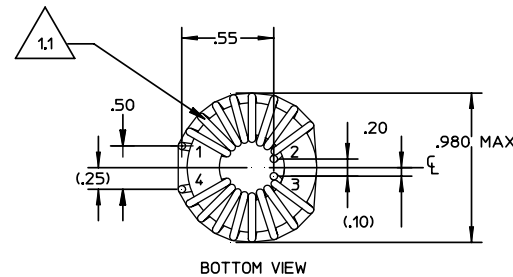
3.1 WIND COILS EVENLY SPACED (NOTE POLARITY)

3.2 REMOVE INSULATION AND TIN LEADS APPROX FLUSH WITH THE COIL  
AS SHOWN (I.E. COIL MUST REST FLAT ON PCB)


3.3 WRAP OUTSIDE WITH TAPE AS SHOWN (5/16")

3.4 MARK PART WITH DRAWING NO. AND REVISION USING A PERMANENT METHOD

REVISIONS				
ECO	REV	DESCRIPTION	DATE	APPROVED
714	A	PRODUCTION RELEASE	1-15-98	RBD
---	A1	AS BUILT/DOCUMENTATION CHANGES	5/5/03	RO
---	A2	ADD PIN NUMBERS TO INDUCTOR	02/18/04	LGK
1462	B	ADDED ROHS SPEC NOTE	06/21/05	LGK
1462	B	ADDED ROHS SPEC NOTE	06/21/05	LGK
1543	C	TAPE # 1350F WAS # 1298	09/01/05	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:  FRACTIONS    DECIMALS    ANGLES ---    .XX    .05    ± 3° .XXX    .020	CONTRACT NO.		 WESTCOR a division of VICOR Corp.				
				APPROVALS	DATE	IND COMMON    MODE 420uH 20A			
				DRAWN	MEJ/TURRALDE				
			MATERIAL	CHECKED	---	---	SIZE    CAGE CODE    DWG NO.    REV B		

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Vicor:](#)

[36-00037](#)