

REV.	DESCRIPTION	DATE	APVD
H	Convert dwg to Vicor	SRG 09/10/08	DB

NOTES:UNLESS OTHERWISE SPECIFIED

1. MATERIALS: UL RECOGNIZED 94V-2 FLAMMABILITY RATING CLASS B (130°C) REQUIRED

1.1 CORE: TOROID, $\mu = 5000$
MAGNETICS INC P/N: 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 SAINT-GOBAIN #M706

1.4 MATERIAL CERTIFICATE OF COMPLIANCE REQUIRED.

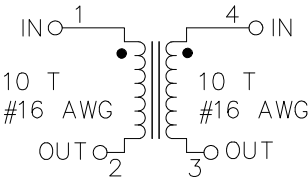
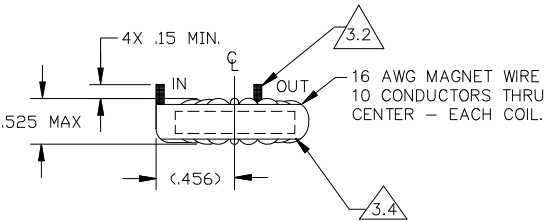
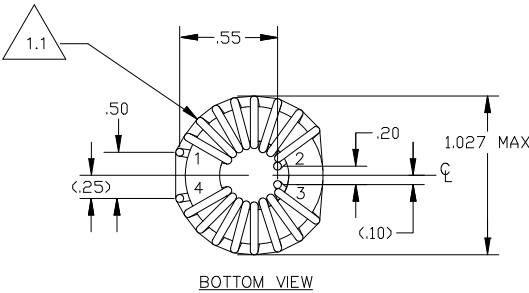
2. SPECIFICATIONS:

- 2.1 $L = 330 \text{ uH MIN/COIL @1KHz, 250mV}$
2.2 $DCR = 5.0 \text{ mOHMS MAX/COIL}$
2.3 $POWER LOSS = 3.6 \text{ W MAX @ 20A/COIL}$
2.4 HI-POT TEST COIL TO COIL, 250 VDC 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

4. RoHS COMPLIANT LEAD FREE PER CST-0001
LATEST REVISION.



SCHEMATIC