

PFC Inductor

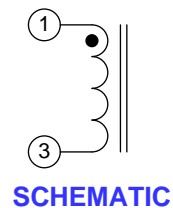
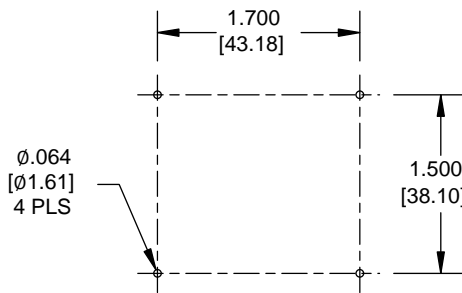
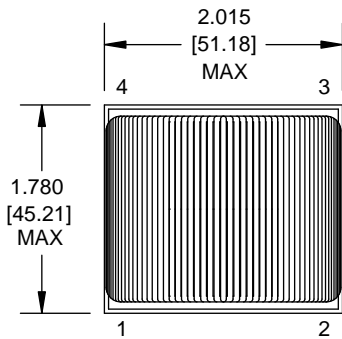
53PR116-292

FEATURES

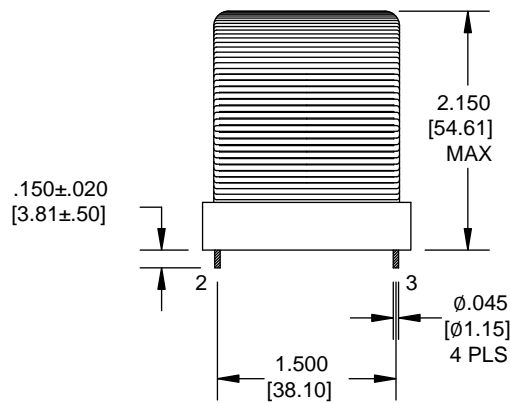
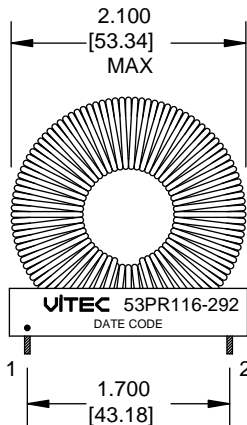
- Designed for Texas Instruments Evaluation Modules TIDM-1000 & MCU011
- Designed for Use in Vienna Rectifier Application
- Topology: 3-Phase PFC Boost-CCM
- Operating Temperature: -40°C to 125°C
- Manufactured with UL Recognized Materials for 130°C (B) Temperature Class
- Materials meet flammability requirements for UL94V-0
- RoHS Compliant Component



MECHANICAL



SUGGESTED PCB LAYOUT



ALL DIMENSIONS GIVEN IN INCHES (MILLIMETERS).
 TOLERANCES UNLESS OTHERWISE SPECIFIED.
 LINEAR RANGE: TOLERANCE
 0<DIM<500[12.70] ±.004 [±.10]
 500[12.70]<=DIM<1,000[25.40] ±.008 [±.20]
 1,000[25.40]<=DIM<2,000[50.80] ±.012 [±.30]
 2,000[50.80]<=DIM<3,000[76.20] ±.016 [±.40]
 ANGULAR: ±1°

ELECTRICAL SPECIFICATIONS @ 25°C

OCL: AT 100 KHz, 1 VRMS
 (1-3) = 2.92 ± 10% mH (2.63-3.21 mH)
 (1-3) = 2.17 ± 10% mH (1.95-2.39 mH) @ 8.7 ADC BIAS

DCR:
 (1-3) = 0.200 OHMS MAX.

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REF: AF6008

FILE NAME: 53PR116-292_110716



6213 El Camino Real, Carlsbad, CA 92009
 TEL: (760) 918-8831 FAX: (760) 918-8840
<http://www.VitecCorp.com>