

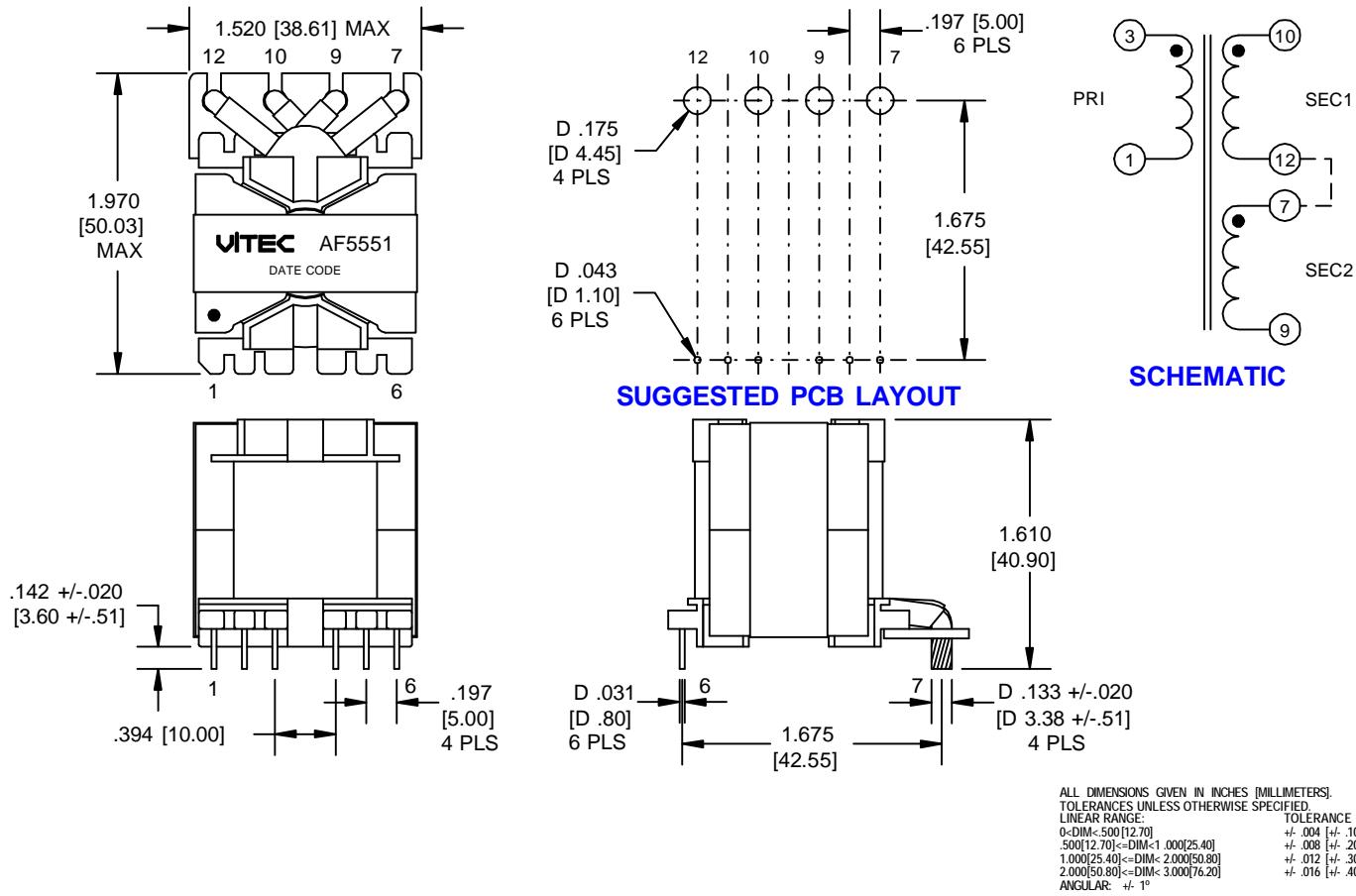
# Full-Bridge Transformer

## AF5551

### FEATURES

- Designed for use with Texas Instruments C2000 Microcontroller.
- Operating Temperature from -40°C to 125°C.
- Manufactured with UL Recognized Materials for 155°C (F) Temperature Class.
- Materials meet flammability requirements for UL 94V-0.
- Order AF5551R for RoHS Compliant Version.

### MECHANICAL



### ELECTRICAL SPECIFICATIONS @ 25°C

TRANS RATIO: AT 100 KHz, 1 VRMS  
 (3-1) : (10-12) = 12.00 : 1 = 12.00 +/- 2% (11.76-12.24)  
 (3-1) : (7-9) = 12.00 : 1 = 12.00 +/- 2% (11.76-12.24)

OCL: AT 100 KHz, 0.100 VRMS  
 (3-1) = 0.85 +/- 10% mH (0.77-0.94 mH)  
 LL: AT 100 KHz, 1 VRMS  
 (3-1) = 4 uH MAX., SHORT (7-9-10-12)

DCR:  
 (3-1) = 0.082 +/- 10% OHMS (0.074-0.090 OHMS)  
 (10-12), (7-9) = 0.520 +/- 25% mOHMS (0.390-0.650 mOHMS)

HIPOT: 50/60 Hz, 2 SECONDS MINIMUM  
 (1,3) TO (7,9,10,12) : 3750 VRMS  
 (1,3,7,9,10,12) TO (CORE) : 2000 VRMS

This drawing is the property of Vitec Electronics Corporation. It is not a controlled document. Therefore it is subject to change without prior notice. Its intended use is to supply component information only. Duplication of all or any part of this drawing is prohibited.

REF: AF5551

FILE NAME: AF5551\_041012

**VITEC**

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