

Inductor

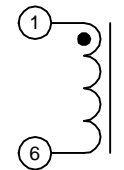
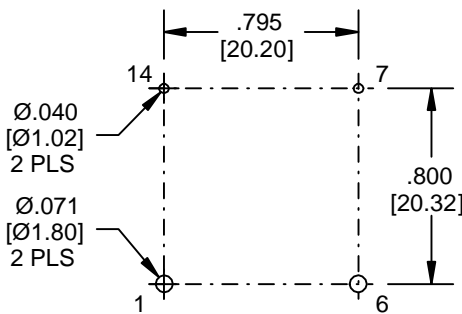
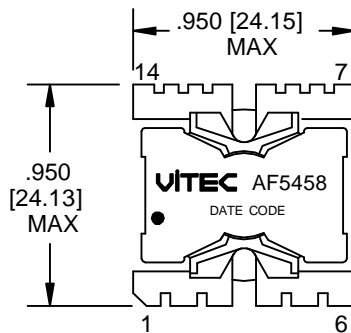
AF5458

FEATURES

- Designed for Texas Instruments Inc.
- Operating Temperature from -40°C to 125°C
- Manufactured to UL recognized 130°C insulation system
- Materials meet flammability requirements for UL 94V-0
- Order **AF5458R** for **RoHS** compliant part.

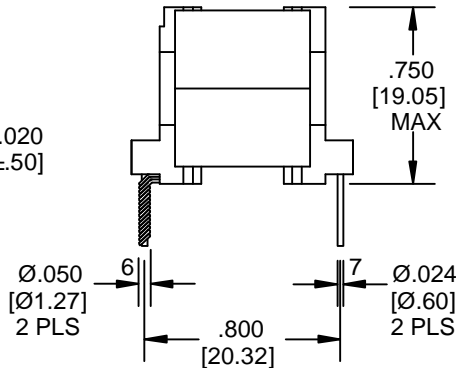
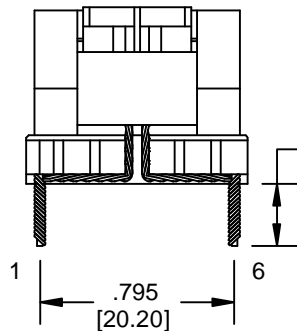
PRELIMINARY

MECHANICAL



SCHEMATIC

SUGGESTED PCB LAYOUT



ALL DIMENSIONS GIVEN IN INCHES (MILLIMETERS).
TOLERANCES UNLESS OTHERWISE SPECIFIED.
LINEAR RANGE: 0<DIM<500 [12.70] TOLERANCE: ±.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, 0.100 VRMS
(1-6) = 52.00 ±4% uH (49.9-54.1 uH)
(1-6) = 36.4 uH MIN., @ 8.5 ADC BIAS

DCR:
(1-6) = 0.045 OHMS MAX

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 preliminary information only. Duplication of all or any part of this drawing is prohibited.

REF: AF5458

FILE NAME: AF5458_070111

VITEC

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