

Inductor

75PR8126

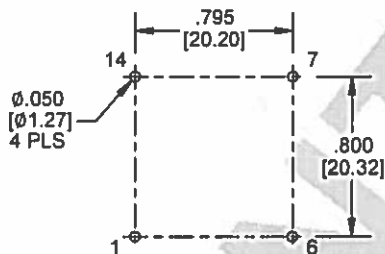
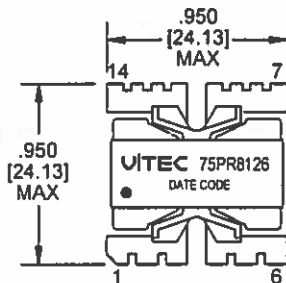
FEATURES

- Designed for Texas Instruments Inc.
- Design to work with C2000 Controllers.
- Topology: LLC Resonant Half-Bridge.
- 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.

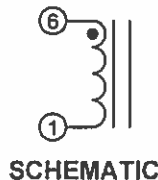
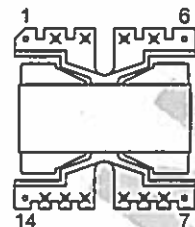
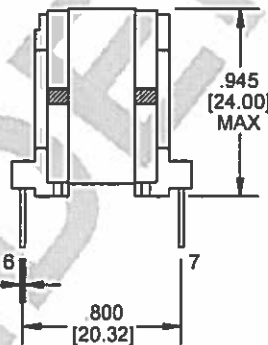
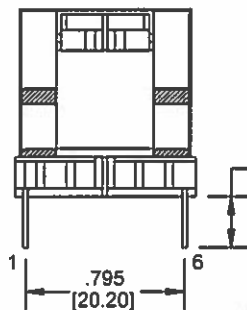


MECHANICAL

PRELIMINARY



SUGGESTED PCB LAYOUT



SCHEMATIC

ALL DIMENSIONS GIVEN IN INCHES (MILLIMETERS).
 TOLERANCES UNLESS OTHERWISE SPECIFIED:
 LINEAR RANGE: TOLERANCE
 0<DIM≤.005(12.70) ± .004 (± .10)
 .005(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
 (6-1) = 62.1 ± 4% uH (59.6-64.6 uH)

DCR:
 (6-1) = 0.047 OHMS MAX

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REF: AF5996, AF6077

FILE NAME: 75PR8126_122116



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



TEST REPORT

CUSTOMER: TEXAS INSTRUMENTS INCORPORATED	VITEC PN: 75PR8126	REPORT # 13130
CUSTOMER PN:	TESTED BY: ELSA	DATE: 12/21/2016

Test Parameter	IND	DCR																		
Test Conditions	100KHz, .100VRMS																			
Equipment Used	WK3260B		HIOKI3541																	
Max Spec	64.6		0.047																	
Min Spec	59.6																			
Units	uH		Ohms																	
Test Leads/Pins	(6-1)		(6-1)																	
17	61.08		0.043																	
18	62.06		0.043																	
19	61.92		0.043																	
20	61.21		0.043																	
Min	61.08		0.043																	
Avg	61.57		0.043																	
Max	62.06		0.043																	
Stdev	0.49		0.000																	
Cpk upp	2.05		12.413																	
Cpk low	1.33																			
Cpk	1.33		12.413																	

NOTES: