

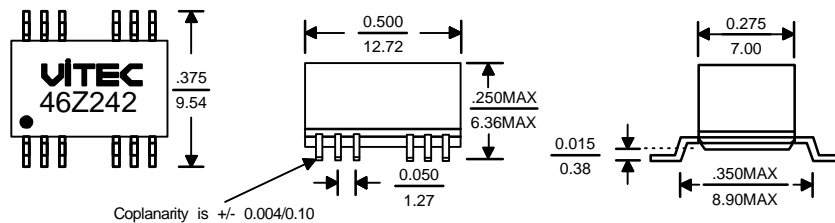
Dual SMT Digital Audio Transformer

46Z242

FEATURES

- For use with Cirrus Logic's CS8420 Digital Audio Sample Rate Converter & Compatible ICs.
- Surface mount package for pick and place assembly.
- Suitable for vapor phase and IR reflow soldering.
- Order **46ZR242** for **RoHS** Compliant Version.

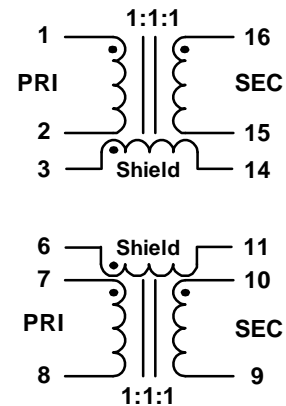
MECHANICAL



ALL DIMENSIONS GIVEN IN INCHES [MM].
 TOLERANCES UNLESS OTHERWISE SPECIFIED.
 LINEAR: .XX±.01 [X±.25] .XXX±.005 [XX±.13]
 ANGULAR: ± 1°

Drawing not to Scale

SCHEMATIC

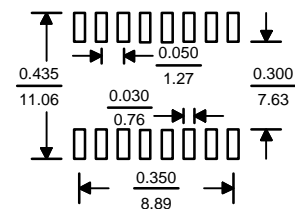


ELECTRICAL SPECIFICATIONS @ 25°C

Inductance ¹ (PRI)	= 750 uH +/- 25%
Leakage Inductance ²	= 1.00 uH MAX
Coupling Capacitance ³	= 18.0 pF MAX
Coupling Capacitance ⁴	= 9.0 pF MAX
Turns Ratio (1-2:16-15:3-14)	= 1:1:1 +/- 2%
(7-8:10-9:6-11)	= 1:1:1 +/- 2%
DC Resistance	= 0.45 Ohms MAX
Isolation (PRI to SEC)	= 1500 Vrms
(PRI, SEC to Shield)	= 500 Vrms

- Notes: 1. Test 1-2, 7-8 @ 100KHz, .05V.
 2. Test 1-2, sht 16-15/7-8, sht 10-9 @ 100KHz, .1V.
 3. Test 1-16, 7-10, no guard @ 100KHz, .1V.
 4. Ground pin 3 & pin 6.

SUGGESTED PCB LAYOUT



ACTUAL SIZE



Top View

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