

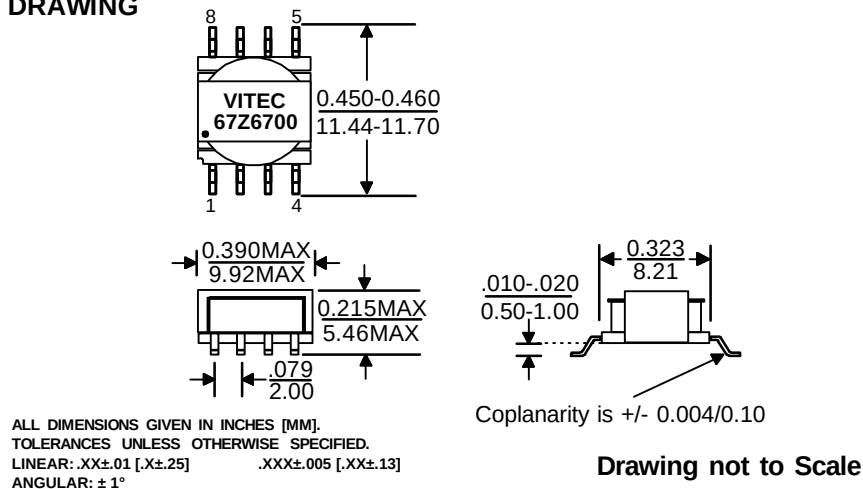
# SMD AES/EBU Digital Audio Transformer

## 67Z6700

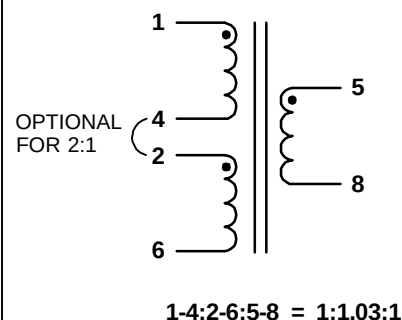
### FEATURES:

- Surface Mount Device in SO-8 Package for pick and place assembly.
- Suitable for vapor phase and IR reflow soldering.
- Sample Rates 28 - 96kHz.
- Ultra Wide Bandwidth 7kHz- 100MHz.
- Extremely low coupling capacitance with shield.
- Ultra Fast Risetime.
- Dielectric Withstanding Voltage up to 2000 VDC.
- Through Hole Package and Unshielded Versions are available.
- Designed for Professional Digital Audio Interface Transceivers: Crystal, Motorola, TI, others.
- For RoHS compliant version, order 67ZR6700 part number.

### DRAWING



### SCHEMATICS

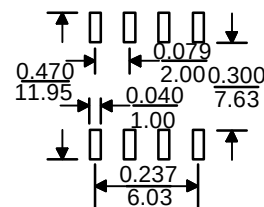


Primary Pins 1-4

### ELECTRICAL CHARACTERISTICS

|                                                       |                        |
|-------------------------------------------------------|------------------------|
| Primary Inductance                                    | = 0.60 - 1.20 mH       |
| PRI/SEC Leakage Inductance                            | = 1.65 uH MAX          |
| PRI/SEC Coupling Capacitance                          | = 5.50 pF MAX          |
| PRI/SEC Coupling Capacitance (with 2 - 6 as a shield) | = 1.50 pF MAX          |
| Turns Ratio (1-4:2-6:5-8)                             | = 1:1.03:1 (+/- 2%)    |
| DC Resistance (1-4/2-6/5-8)                           | = .25/.35/.35 Ohms MAX |
| Dielectric Withstanding Voltage                       | = 2000 VDC             |

### SUGGESTED PCB LAYOUT



### ACTUAL SIZE



Top View

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