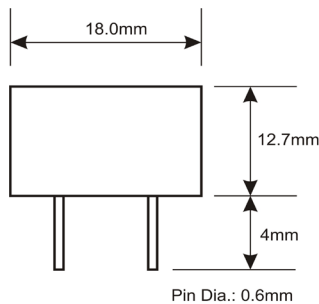
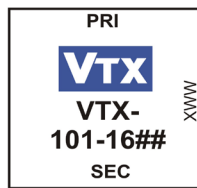


Features:

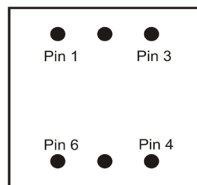
- High Quality Minature Audio Transformers
- Low Distortion
- Encapsulated PCB mounting
- Various winding ratios
- Impedance matching
- UL94-V0 rated materials
- RoHS Compliant
- Custom variations



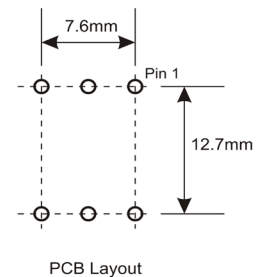
Dimensions:
 Height : 12.7mm
 Width : 18.0mm
 Length : 18.0mm
 Weight : 0.015kg



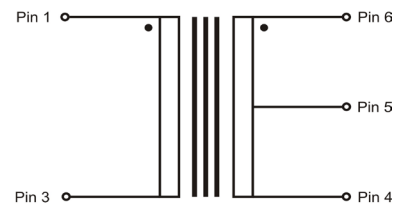
X: Year Code
WW: Week of Manufacture



Pin View (Bottom)



PCB Layout



Electrical Schematic VTX-101-16##

| Part No | Ratio | Imp. Pri Z (Ω) | Imp. Sec Z (Ω) | Imp. Pri Series Z (Ω) | Imp. Sec Series Z (Ω) | Pri DCR Ω +/-10% | Sec DCR Ω +/-10% | Freq. Range | Isolation Voltage |
|--------------|-------------|-------------------|-------------------|-----------------------------|-----------------------------|------------------------|------------------------|----------------|----------------------|
| VTX-101-1601 | 1CT : 1 CT | 600 CT | 600 CT | | | 33+35 | 32+34 | 60~ 25KHz | 1.5KVac |
| VTX-101-1602 | 1 : 1 | 600 | 600 | | | 68 | 68 | 60~ 25KHz | |
| VTX-101-1603 | 1 : 2 CT | 600 | 2.4K CT | | | 70 | 200 | 60~ 25KHz | |
| VTX-101-1604 | 1 : 1 CT | 600 | 600 CT | | | 68 | 32+34 | 60~ 25KHz | |
| VTX-101-1605 | 1 : 2 CT | 200 | 800 CT | | | 50 | 120 | 30~ 25KHz | |
| VTX-101-1606 | 1 : 1 CT | 800 | 800 CT | | | 105 | 134 | 60~ 25KHz | |
| VTX-101-1607 | 1: 6.3 CT | 600 | 10K CT | | | 70 | 230+250 | 30~ 25KHz | |
| VTX-101-1608 | 1 CT : 1 CT | 10K CT | 10K CT | | | 225+225 | 225+225 | 30 ~ 25KHz | |
| VTX-101-1609 | 1 : 1 CT | 10K | 10K CT | | | 450 | 225+225 | 30 ~ 25KHz | |
| VTX-101-1617 | 4.07 : 1 | 10K | 600 | | | 254 | 21.5 | 60~ 25KHz | 1200V |
| VTX-101-1634 | 1+1 : 2 | 150+150 | 600 | 600 | 600 | 31 | 33 | 60~ 25KHz | 500V |
| VTX-101-1654 | 1:2 | 150 | 600 | | | 18 | 70 | 60-25KHz | 4.2KVac |
| VTX-101-1655 | 1:4.3 | 8 | 150 | | | 1 | 25 | 200- 20KHz | 1.5KVac |

Products can be altered to suit custom requirements. Please contact Vigortronix for your specific requirements.
 The information contained in this document is subject to change without notice.

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Performance parameters for Part VTX-101-1604

| Part No | VTX-101-1604 | | | Unit |
|--|-------------------|--|--|-------|
| Suitable for modem speed up to: | V.34 | | | ----- |
| Reflects 600 ohms at PRI with R load = | 600 | | | ohms |
| D.C. Resistance, +/-15%,PRI | 109 | | | ohms |
| D.C. Resistance, +/-15%,SEC | 134 | | | ohms |
| Frequency Response, 30 to 25KHz | +/-0.5 | | | dB |
| Insertion Loss at 2kHz,(ref 600Ω Load),max. | 1.5 Max | | | dB |
| Return Loss vs.600 ohms at 100~4kHz | 15 Min | | | dB |
| Dielectric Test PRI-SEC (50Hz) | 1500 Min | | | V rms |
| Direct Current PRI, maximum | none | | | mA DC |
| Turns Ratio (PRI:SEC),+/-2% | 1:1 | | | ----- |
| Longitudinal Balance, 200 to 4000 Hz,min. | 90 | | | dB |
| Total Harmonic Distortion, 75Hz ,10dBm T.H.D 30Hz to 11kHz at 0dBm. | <1% <1% | | | dBm |
| Saturation | 10Vrms (65V Peak) | | | V rms |
| Operating temperature range: | -20°C to + 70°C | | | °C |
| Storage temperature range: | -40°C to +125°C | | | °C |

Note: Recommended maximum 100uA DC current.

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