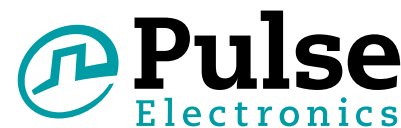


# Thru-Hole Mount 1553 Single Transformer

Military / Aerospace Grade



- Single Transformer package
- MIL-STD-1553 Applications
- Low profile – 0.172" Height
- Storage Temperature and Operating Temperature: –55°C to +130°C**
- Weight: – ≤3.0 grams**
- MSL 1

Electrical Specifications @ 25°C — Operating Temperature -55°C to +130°C

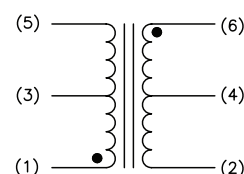
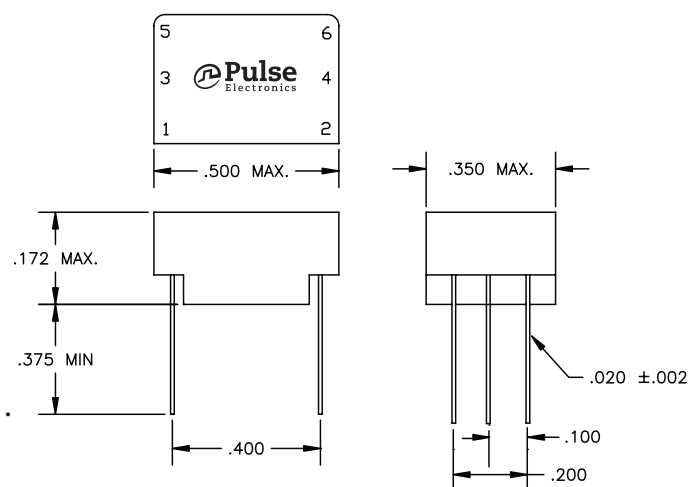
| Part Number | Terminals | Ratio (±3%) | DC Resistance (Ω Max)  | Impedance (Ω Min) | Droop   | Overshoot | CMR      | Frequency Range (No Load) | IR @ 250Vdc (Min) | DWV      |
|-------------|-----------|-------------|------------------------|-------------------|---------|-----------|----------|---------------------------|-------------------|----------|
| X-1584      | 1-5:6-2   | 1CT:1.79CT  | (1-5) 0.9<br>(6-2) 2.5 | (6-2) 3,000       | 20% max | ±1V max   | 45dB min | 75kHz to 1MHz             | 10K MΩ            | 100 Vrms |
| X-1596      | 1-5:6-2   | 1CT:2.5CT   | (1-5) 0.9<br>(6-2) 2.5 | (6-2) 3,000       | 20% max | ±1V max   | 45dB min | 75kHz to 1MHz             | 10K MΩ            | 100 Vrms |

**Note:** Add suffix NL to part to designate tin plating for RoHS compliance (X-1584NL)

## Electrical Schematic

## Schematic

### X-1584/X-1596



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