

# Through Hole Mount 1553 Single Transformers

Ruggedized



- ⊗ Single Transformer package
- ⊗ MIL-STD-1553 Applications
- ⊗ Low profile – 0.172"
- ⊗ Height Weight: ≤3.0 grams
- ⊗ Moisture Sensitivity Level: 1

## Electrical Specifications @ 25 °C – Operating Temperature –5 °C to +130 °C

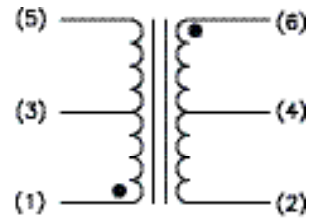
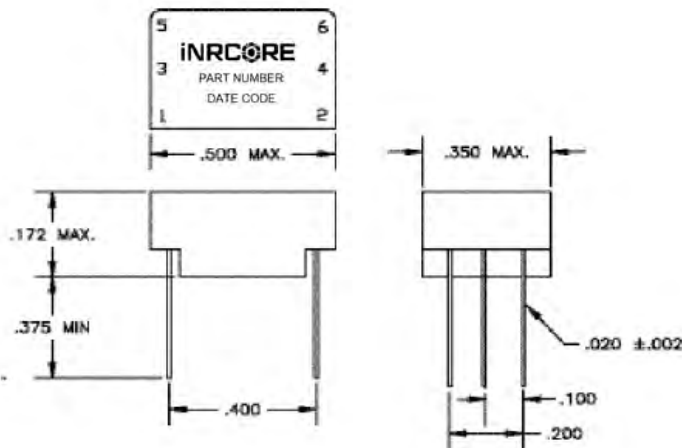
Part Number	Terminals	Ratio (±3%)	DC Resistance (Ω Max)	Impedance (Ω Min)	Droop	Overshoot	CMR	Frequency Range (No Load)	IR @ 250Vdc (Min)	DWV
X-1584	1-5:6-2	1CT:1.79CT	(1-5) 0.9 (6-2) 2.5	(6-2) 3,000	20% max	± 1V max	45dB min	75kHz to 1MHz	10K MΩ	100 Vrms
X-1596	1-5:6-2	1CT:2.5CT	(1-5) 0.9 (6-2) 2.5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

### Mechanical

### Electrical Schematic

X-1584 / X-1596



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are:  $\pm \frac{.010}{0,25}$

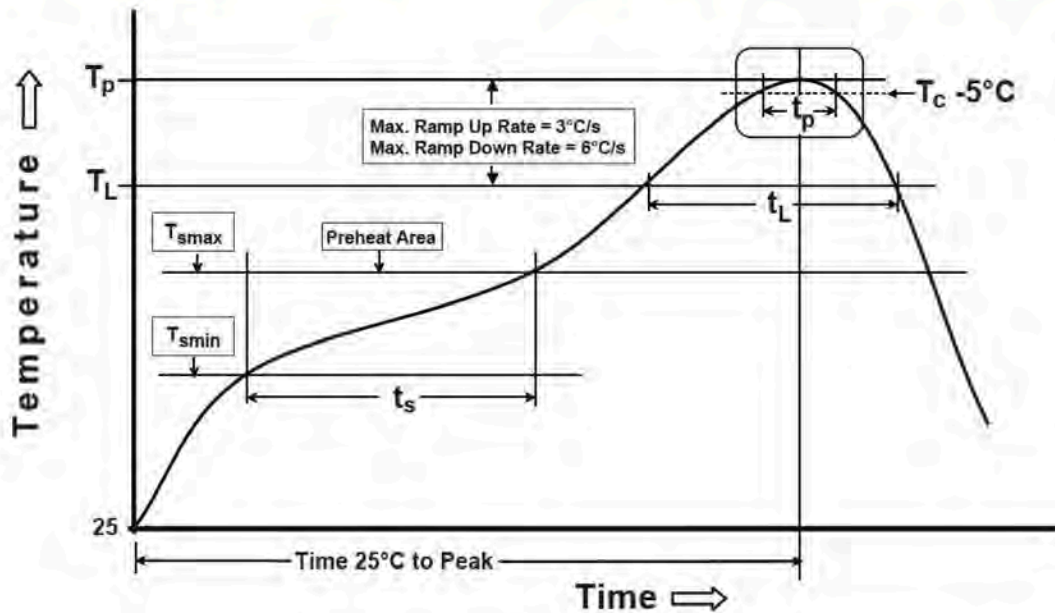


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Tin/Lead Recommended Reflow Profile (Based on J-STD-020D)



$T_{SMIN}$ (°C)	$T_{SMAX}$ (°C)	$T_L$ (°C)	$T_P$ (°C MAX)	$t_s$ (s)	$t_L$ (s)	$t_p$ (s MAX)	Ramp-up rate ( $T_L$ to $T_P$ )	Ramp-down rate ( $T_P$ to $T_L$ )	Time 25°C to peak temperature (s MAX)
100	150	183	235	60-120	60-150	20	3°C/s MAX	6°C/s MAX	360

Notes:

1. All temperatures measured on the package leads.
2. Maximum times of reflow cycle: 2.

## For More Information

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