

Thru-Hole Mount 1553 Single Transformer

Ruggedized

PulseR
Ruggedized Solutions



R Single Transformer package

R MIL-STD-1553 Applications

R Low profile – 0.172" Height

Storage Temperature: –55°C to +130°C

R Weight: ≤3.0 grams

R Moisture Sensitivity Level: 1

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

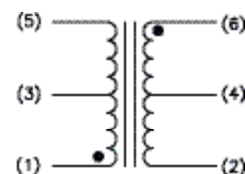
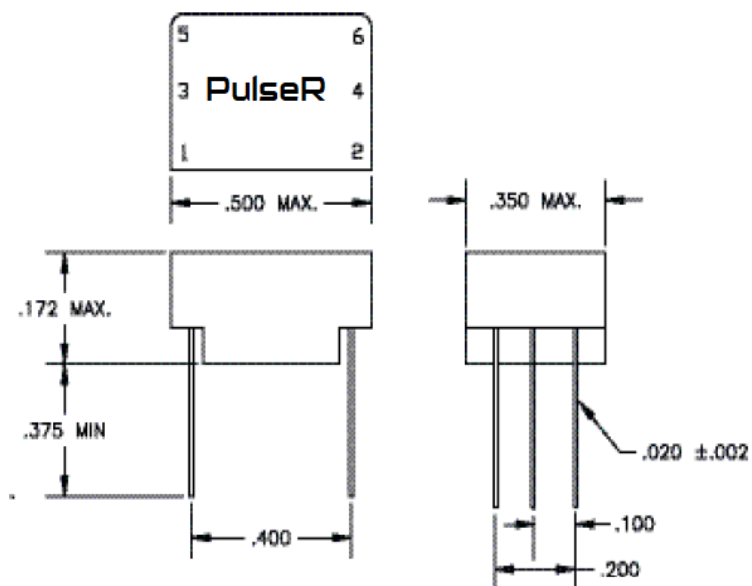
Part Number	Terminals	Ratio (±3%)	DC Resistance (Ω Max)	Impedance (Ω Min)	Droop	Overshoot	CMR	Frequency Range (No Load)	IR @ 250Vdc (Min)	DWV
X-1584	1-5:6-2	1CT:1.79CT	(1-5) 0.9 (6-2) 2.5	(6-2) 3,000	20% max	± 1V max	45dB min	75kHz to 1MHz	10K MΩ	100 Vrms
X-1596	1-5:6-2	1CT:2.5CT	(1-5) 0.9 (6-2) 2.5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

Mechanical

Schematic

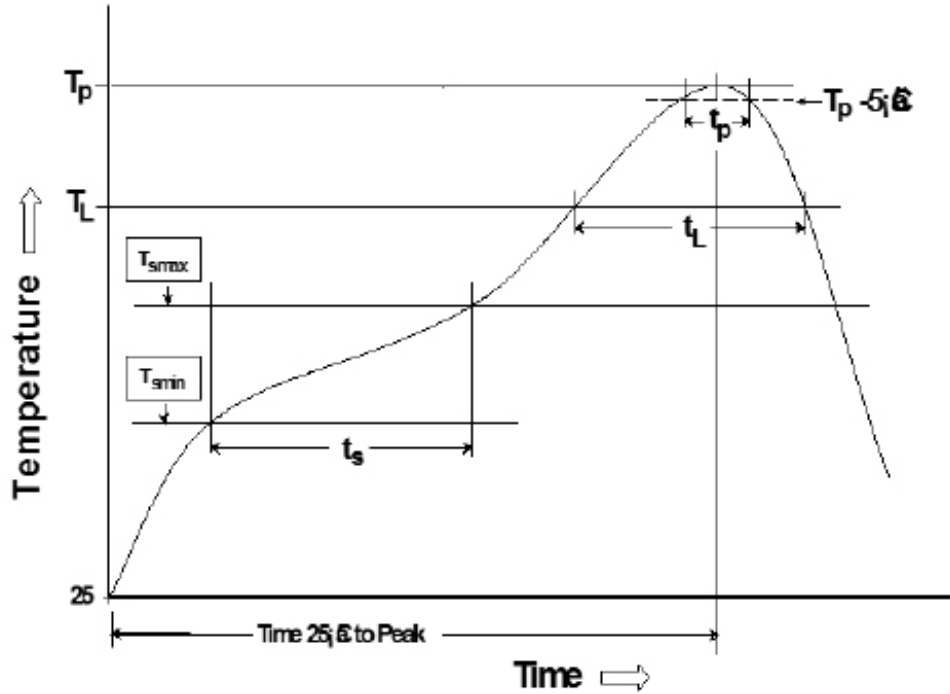
X-1584/X-1596



Notes:

1. Weight..... 1.99gm
2. Pan/Tube Size..... 1

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



TSMIN (°C)	TSMAX (°C)	TL (°C)	TP (°C MAX)	ts (s)	tL (s)	tp (s MAX)	Ramp-up rate (TL to TP)	Ramp-down rate (TP to TL)	Time 25°C to peak temperature (s MAX)
100	150	183	225	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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