## **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 ۲

		Electrical S	pecifications	@ 25 °C – C	Operatii	ng Tempe	erature -	-5 5 °C to +1	30°C	
Part	Terminals	Ratio	DC Resistance	Impedance	Droop Overshoot	Overshoot	CMR	Frequency Range	IR @ 250Vdc	DWV
Number		(±3%)	( $\Omega$ Max)	( $\Omega$ Min)		CMIK	(No Load)	(Min)		
X-1584	1-5:6-2	1CT:1.79CT	(1-5) 0.9	(6-2) 3,000	20%	± 1V max	45dB	75kHz to 1MHz	10K M <u>Ω</u>	100 Vrms
			(6-2) 2.5		max		min			
X-1596	1-5:6-2	1CT:2.5CT	(1-5) 0.9	(6-2) 3,000	20%	± 1V max	45dB	75kHz to 1MHz	10K M $\Omega$	100 Vrms
	1 3.3 2	101.2.501	(6-2) 2.5	(0 2) 0,000	max		min		101 102	100 milis

Note: Add suffix NL to part to designate tin-plating for RoHS compliance (i.e. X-1584 would become X-1584NL)



**Electrical Schematic** 





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T <sub>SMIN</sub> T <sub>SMAX</sub> (°C) (°C)			T₽ (°C MAX)	ts (s)	t <sub>L</sub> (s)	t <sub>P</sub> (s MAX)	Ramp-up rate $(T_L \text{ to } T_P)$	Ramp-down rate (T <sub>P</sub> to T <sub>L</sub> )	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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