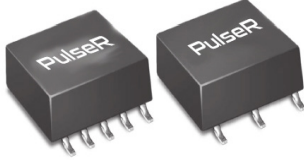


# SMT SINGLE TRANSFORMER

FOR MIL-STD-1553 APPLICATIONS.

Ruggedized



- R** Single transformer package
- R** Low Profile: 0.185" height
- R** Storage Temperature: -55°C to +130°C
- R** Weight: ≤3.0 grams
- R** Max Reflow Temperature: 235°C
- R** Moisture Sensitivity Level: 3

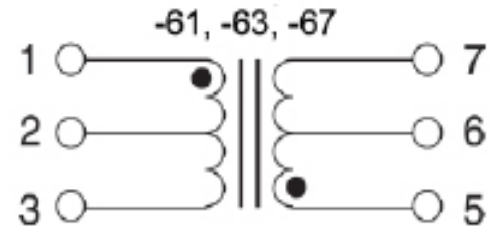
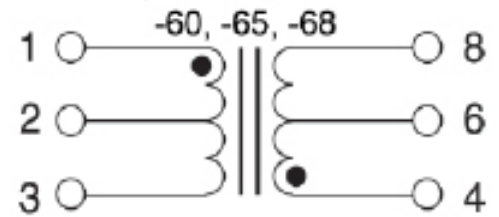
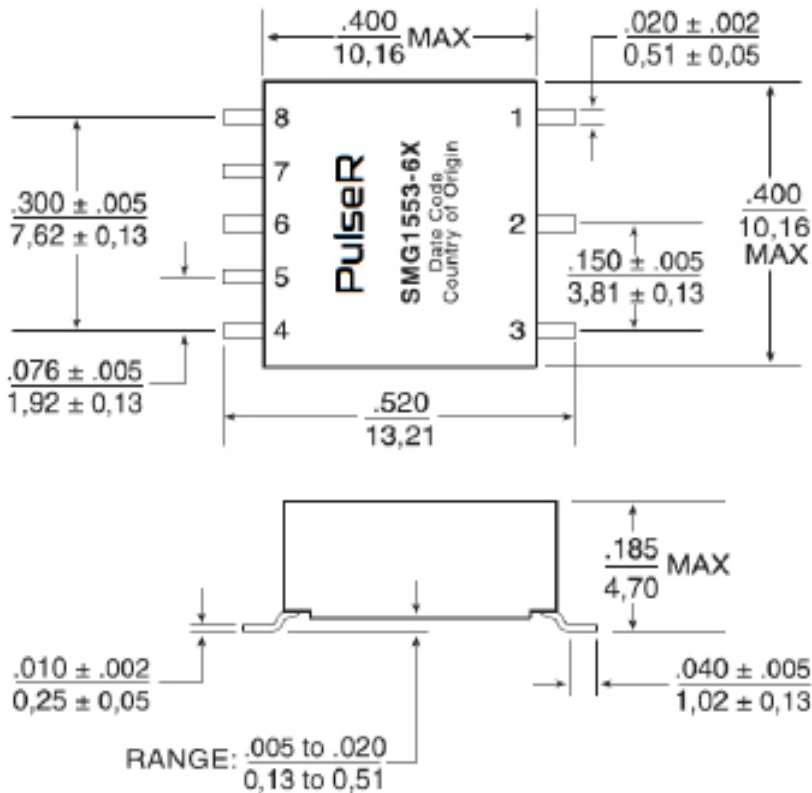
## Electrical Specifications — Operating Temperature -55°C to +130°C

Part Number	Terminals	Ratio (±3%)	DC Resistance (W MAX)	Impedance (W MIN)	Droop (MAX)	Overshoot (MAX)	CMR (dB MIN)	Frequency Range (No Load)	IR @ 250Vdc (MW MIN)	DWV (Vrms)
SMG1553-60	1-3:4-8	1.25CT:1CT	(1-3) 2.4, (4-8) 2.2	(1-3) 4,000	20%	±1V	45	75kHz-1MHz	10k	100
SMG1553-61	1-3:5-7	1.66CT:1CT	(1-3) 2.4, (4-8) 1.5	(1-3) 4,000	20%	±1V	45	75kHz-1MHz	10k	100
SMG1553-65	1-3:4-8	1CT:2.5CT	(1-3) 1.0, (4-8) 2.6	(4-8) 4,000	20%	±1V	45	75kHz-1MHz	10k	100
SMG1553-66	1-3:5-7	1CT:1.79CT	(1-3) 1.3, (5-7) 2.6	(5-7) 4,000	20%	±1V	45	75kHz-1MHz	10k	100
SMG1553-67	1-3:5-7	1CT:2.70CT	(1-3) .50, (5-7) 2.50	(5-7) 4,000	20%	±1V	45	75kHz-1MHz	10k	100
SMG1553-68	1-3:4-8	1CT:3.75CT	(1-3) .40, (4-8) 2.50	(4-8) 4,000	20%	±1V	45	75kHz-1MHz	10k	100

## Mechanical

## Schematic

### SMG1553-6X



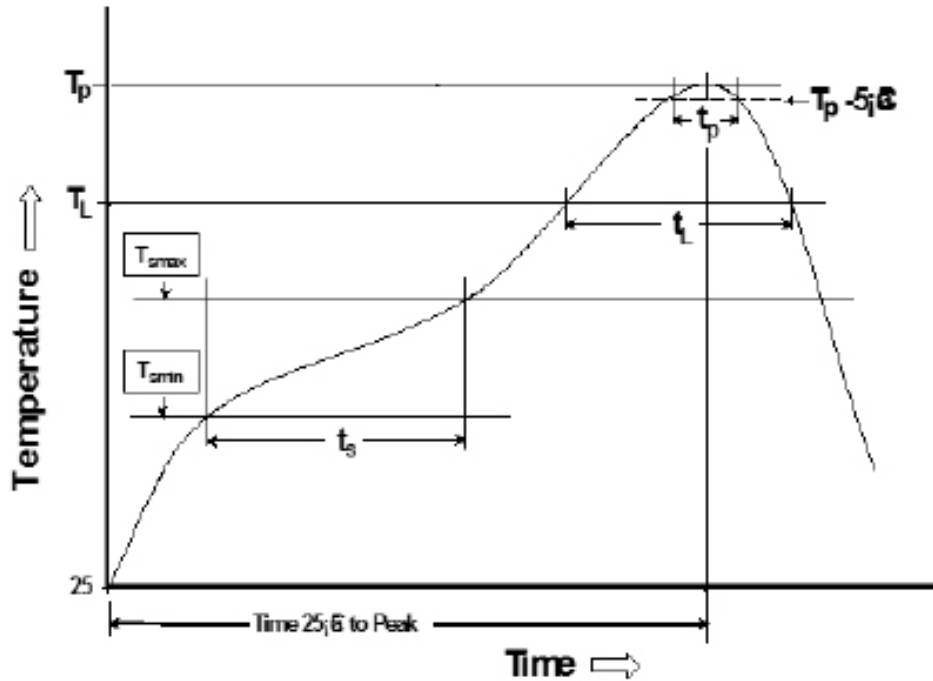
Weight ..... 3.0 grams  
 Tube ..... 50/tube  
 Dimensions: inches  
 mm  
 Unless otherwise specified, all tolerances are  $\pm .010$   
 0,25

# SMT SINGLE TRANSFORMER

FOR MIL-STD-1553 APPLICATIONS.

Ruggedized

## 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

PulseR North America  
Headquarters  
311 Sinclair Road  
Bristol, PA 19007-1524  
U.S.A.

For Global Sales Representatives and Locations Visit:  
<http://www.pulseruggedized.com>

Tel: +1.215.781.6400  
Fax: +1.215.781.6403

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