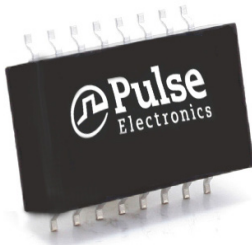







# MIL-STD-1553 TRANSFORMERS

Ruggedized



-  Dual ratio, dual interface (see schematic)
-  Designed, built and tested to MIL-PRF-21038 & MIL-STD-202
-  Operating and Storage Temperature: -55°C to +125°C
-  Lead Finish: SnPB
-  MSL: 3

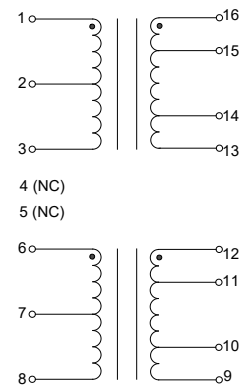
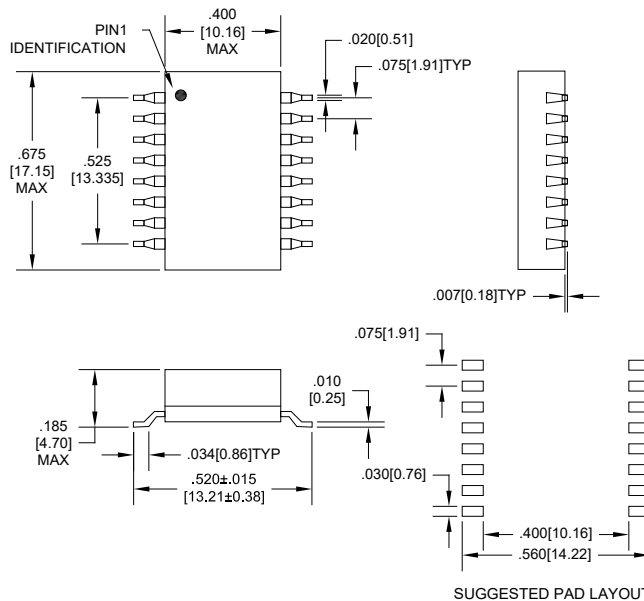
### Electrical Specifications @ 25°C

Part Number	Turns Ratio (±3%)				DC Resistance (Ω MAX)				Impedance (Ω MIN)	Droop (MAX)	Overshoot (MAX)	CMR (dB MIN)	IR @ 250Vdc (MΩ MIN) (1,2,3) to (16,15,14,13) (6,7,8) to (12,11,10,9)	Dielectric Withstanding Voltage (Vrms) (1,2,3) to (16,15,14,13) (6,7,8) to (12,11,10,9)
	(1-3) (16-13)	(6-8) (12-9)	(1-3) (15-14)	(6-8) (11-10)	(1-3)	(6-8)	(16-13)	(12-9)	(16-13) , (12-9)					
DKG1553-45	1:2.50	1:2.50	1:1.79	1:1.79	1.0	1.0	3.5	3.5	4000	20%	±1V	45	10k	100
DKG1553-70	1:3.0	1:3.0	1:2.15	1:2.15	0.35	0.35	3.5	3.5	4000	20%	±1V	45	10k	100
DKG1553-71	1:3.54	1:3.54	1:2.50	1:2.50	0.35	0.35	3.5	3.5	4000	20%	±1V	45	10k	100
DKG1553-72	1:3.75	1:3.75	1:2.70	1:2.70	0.35	0.35	3.5	3.5	4000	20%	±1V	45	10k	100
DKG1553-75	1:2.65	1:2.65	1:2.07	1:2.07	0.35	0.35	3.5	3.5	4000	20%	±1V	45	10k	100

## Mechanical

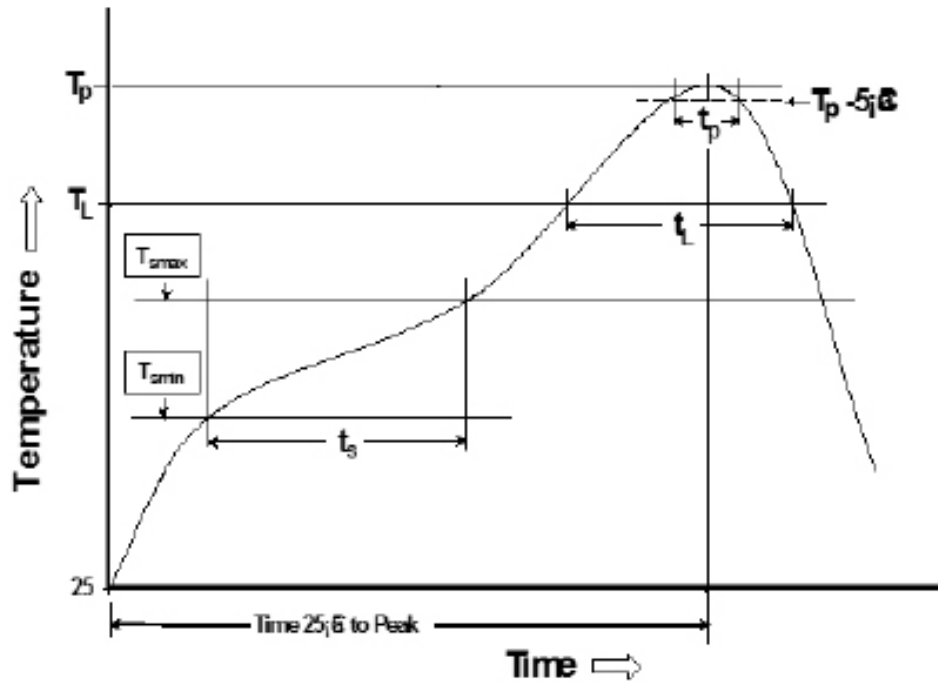
## Schematic

DKG1553-XX



Dimensions: inches[mm]  
 Unless otherwise specified,  
 all tolerances are ± .010[0.25]  
 Weight.....TBD  
 Tray.....TBD  
 Tape and reel.....TBD

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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