

# HIGH FREQUENCY FLYBACK TRANSFORMER

Ruggedized

- ⊗ Dielectric Withstanding Voltage (DWV): 1500 VRMS
- ⊗ Operating Temperature: -55°C to +130°C
- ⊗ Storage Temperature: -55°C to +150°C
- ⊗ Lead Finish: Sn63/Pb37
- ⊗ Moisture Sensitivity Level: 1

## Electrical Specifications @ 25°C

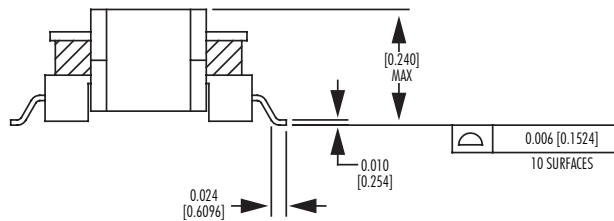
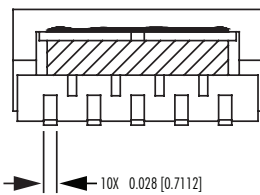
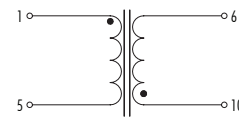
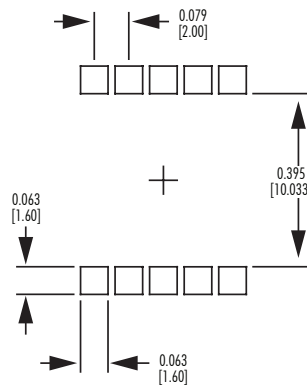
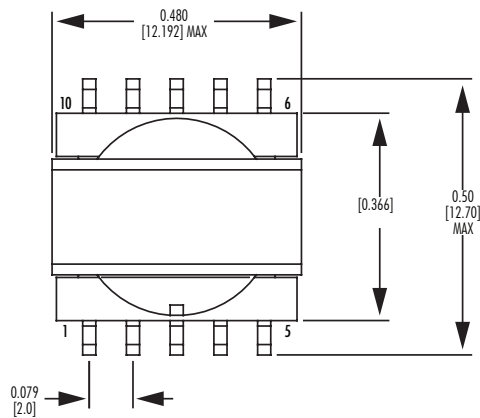
Part Number	Turns Ratio (Pri:Sec ±2%)	OCL Pri (µH±15%)	OCL Sec (mH±15%)	DCR Pri (mΩ MAX)	DCR Sec (Ω MAX)	Primary Pins	Secondary Pins
PL1496A	22.5:1	3.85	1.95	22	6.6	1-5	6-10

## Mechanicals

## Electrical Schematics

PL1496A

Dimensions: inch [mm]  
Tolerance (unless otherwise specified): ±0.010 [0.25]



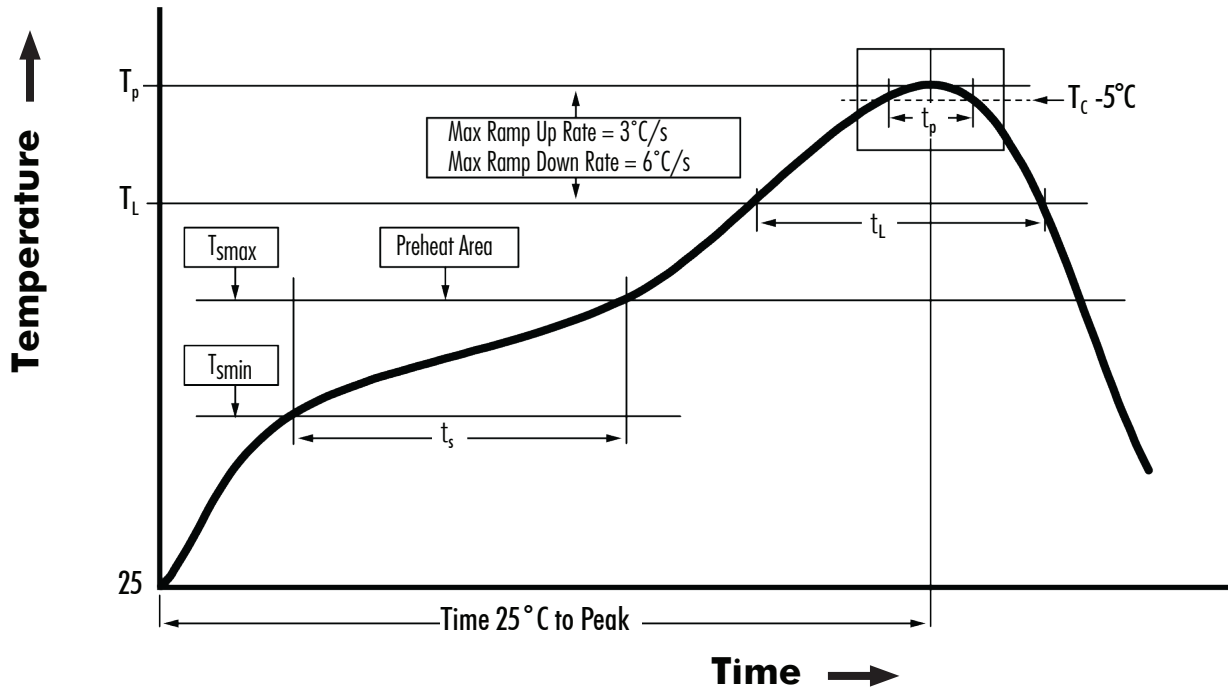
Weight: TBD grams  
Tape and Reel: 500/reel  
Tube: 100/tray



# HIGH FREQUENCY FLYBACK TRANSFORMER

Ruggedized

## 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	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 number of reflow cycles not to exceed 2.
3. Reflow cycle applies only to surface mount parts.



iNRCORE, LLC  
311 Sinclair Road, Bristol, PA 19007-6812 USA  
Tel: +1.215.781.6400 Fax: +1.215.781.6430

[www.iNRCORE.com](http://www.iNRCORE.com)

C126.D (30MAR23)

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2020. iNRCORE, LLC. All rights reserved.