

EP7 SMD Transformer

MODEL NO.: XF-DL2001

Feature :

RoHS Compliant

RoHS peak solder rating 260°C/ 3~5 Sec

Operating temp.: -40°C to +85°C

Reflow Condition :Maximum reflow temperature is 250°C/-5°C, time is 20~40 sec.

(Refer to IPC/ JEDEC J-STD-020C standard).

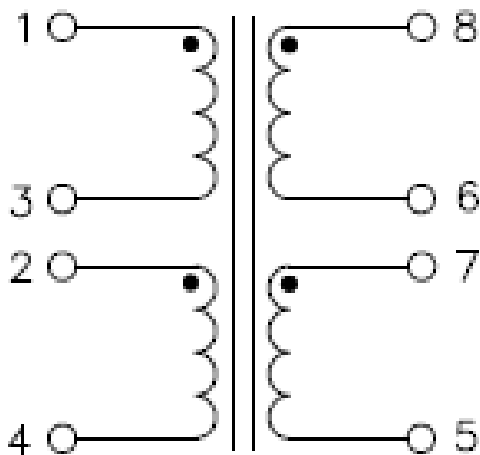
Designed to meet EN60950 supplementary insulation requirements for working voltages up to 250Vrms..

Specifications @ 25°C

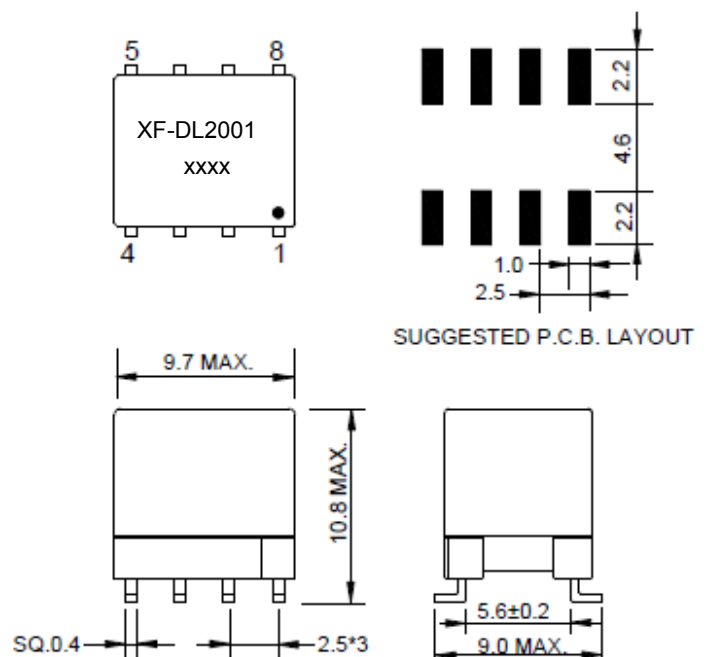
Turn Ratio @10KHz ,0.1V (1-4) : (8-5)	Inductance Lp@10KHz ,0.1V 1-4 ,(tied 2+3)	Leakage Inductance Ls@ 100 KHz , 0.1 V 1-4 ,(tied2+3,5+7+6+8)	DCR 10KHz,0.1V 1-4 ,(tied 2+3)	DCR 10KHz,0.1V 8-5 ,(tied 6+7)
1.25:1(±2%)	470uH(±10%)	1.0uH max	3.25Ω max	1.0Ω max

Longitudinal Balance 1-4 : 8-5(12Mz) 1-4 : 8-5(30Mz)		Total Harmonic Distortion 30kHz , 3V 1-4 : 8-5 , (2-3 ,6-7 short)	Interwinding Capacitance Cs@100 KHz , 0.1V 1-8,(tied 2+3,6+7)	Dielectric Withstanding Pri To Sec 1-8 (tied 1+2+3+4 ,5+6+7+8)
41 dB min	33 dB min	-80 dB max	90pF max	1875 Vac/1mA,1Sec

SCHEMATICS:



DIMENSION: TOLERANCE :mm (±0.25)



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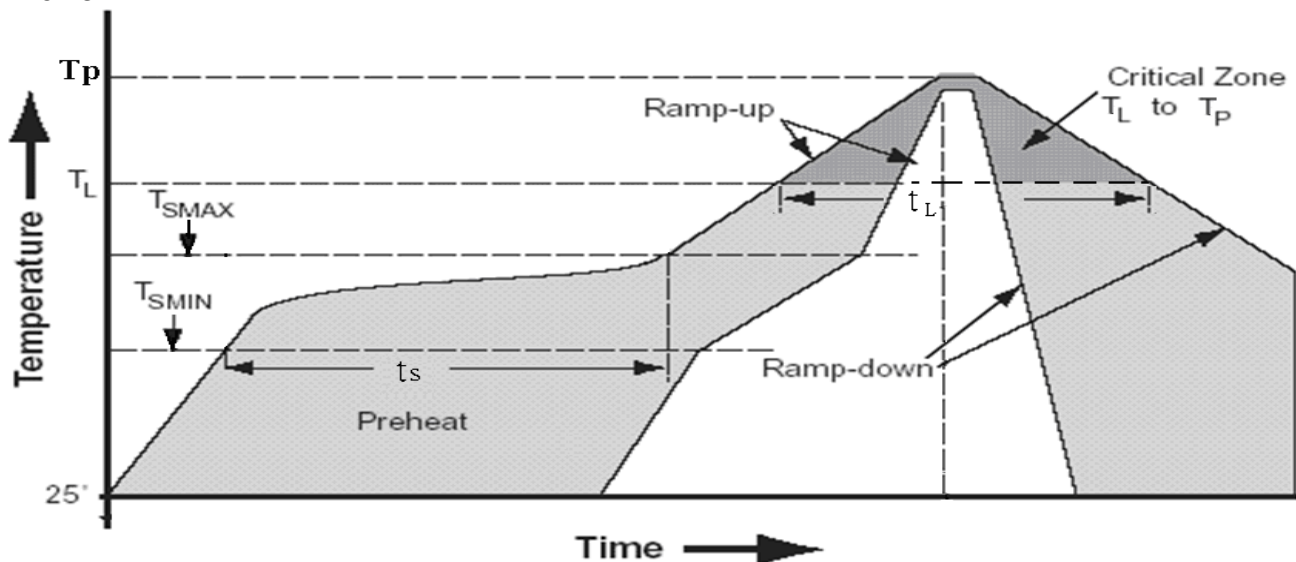
Solder Reflow profile for Lead-Free packages.

Package Peak Reflow Temperatures

Classification Reflow Profiles

Profile Feature	Lead-Free Assembly	
Average ramp-up rate(T_L to T_P)	3°C / Second Max.	
Preheat		
Temperature Min.(T_s min.)	150 °C	
Temperature Max.(T_s max.)	200 °C	
Time (min to max) (t_s)	60-180 sec	
T_s max. to T_L		
Ramp-up Rate	3°C / Second Max.	
Time maintained above Temperature (T_L)		
Time (t_L)	200 °C 60-90 sec	
Peak Temperature (T_p)	260 +0 / -5 °C	250 +0 / -5 °C
Time within 5 °C of actual peak Temp.	3 to 5 Sec	20 to 40 Sec
Ramp-down	6°C / Second Max.	
Time 25 °C to Peak Temperature	8 minutes Max.	

Profile



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PACKING :

1. Tape & Reel : 200pcs / Reel , 1000pcs / Carton

