



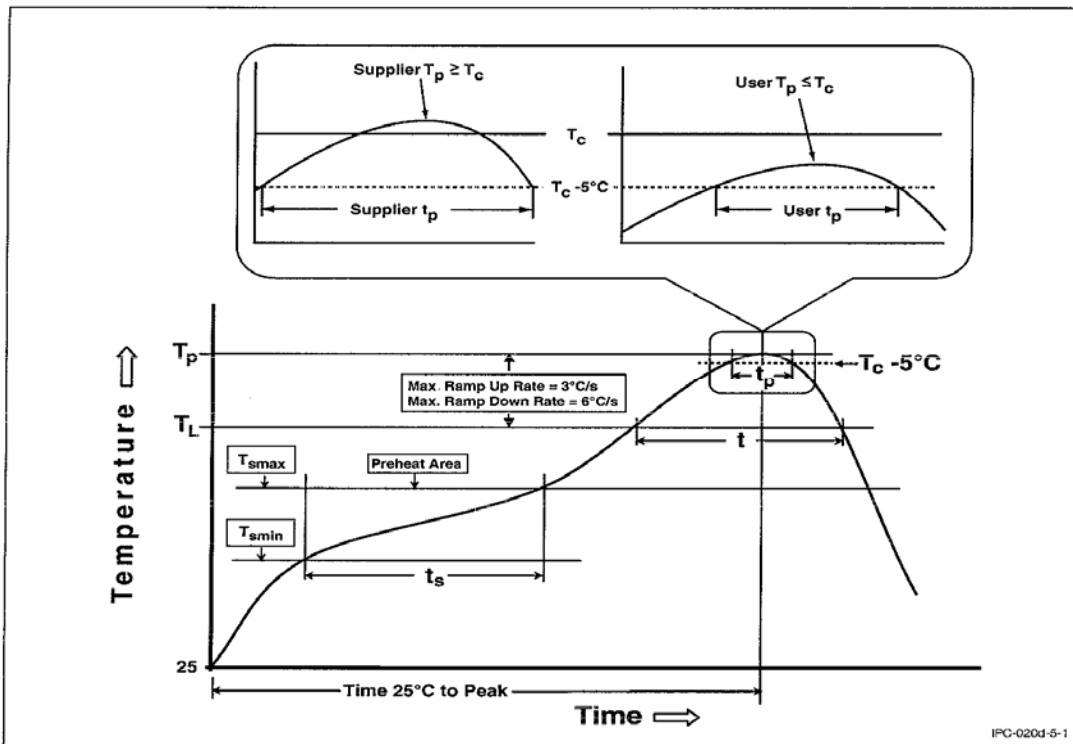
Integrated Device Technology, Inc.

User Recommended Reflow Profile

Large SnPb Plastic Surface Mount Package (Volume $\geq 350 \text{ mm}^3$)

Profile Feature	Sn-Pb Eutectic Assembly
Preheat & Soak	
Temperature min (T_{min})	100 °C
Temperature max (T_{max})	150 °C
Time (T_{min} to T_{max}) (t_s)	60-120 seconds
Average ramp-up rate (T_{max} to T_p)	3 °C/second max.
Liquidous temperature (T_L)	183 °C
Time at liquidous (t_L)	60-150 seconds
Peak package body temperature (T_p)*	225°C
Time (t_p) ** within 5 °C of the specified classification temperature (T_c)	20** seconds
Average ramp-down rate (T_p to T_{max})	6 °C/second max.
Time 25 °C to peak temperature	6 minutes max.

* Tolerance for peak profile temperature (T_p) is defined as a supplier minimum and a user maximum.
 ** Tolerance for time at peak profile temperature (t_p) is defined as a supplier minimum and a user maximum.



Recommended Reflow Profile

IPC-020d-5-1