



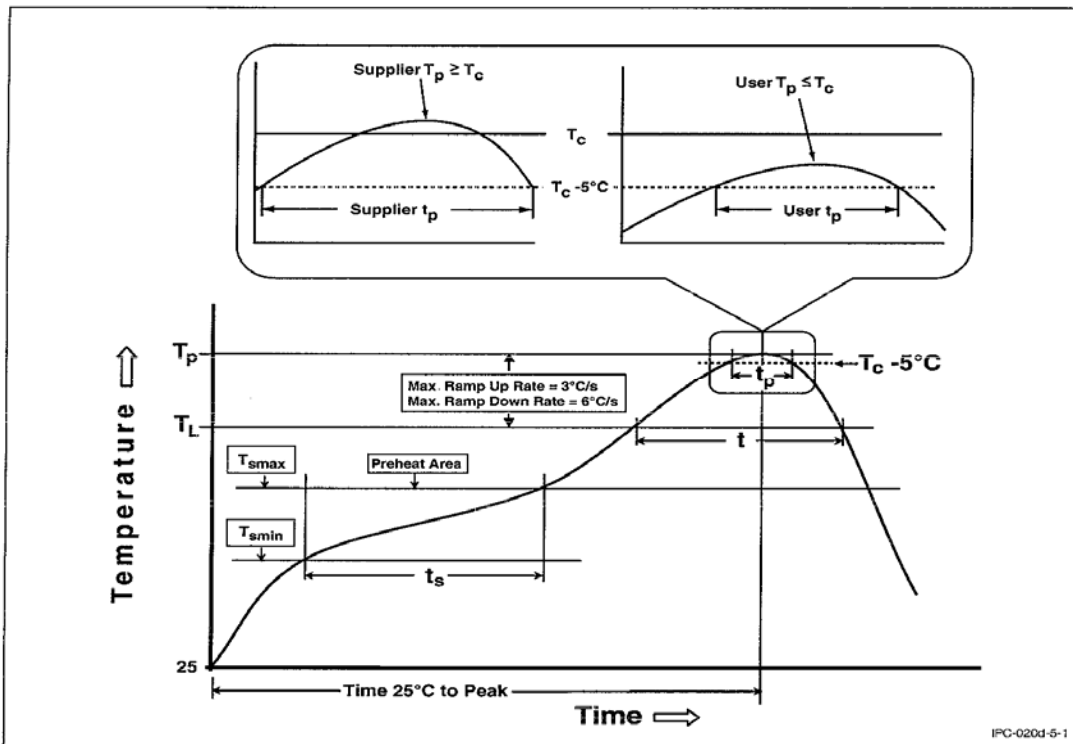
Integrated Device Technology, Inc.

User Recommended Reflow Profile

Small SnPb Plastic Surface Mount Package (Volume <math><350 \text{ mm}^3</math>)

Profile Feature	Sn-Pb Eutectic Assembly
Preheat & Soak	
Temperature min (T_{smin})	100 °C
Temperature max (T_{smax})	150 °C
Time (T_{smin} to T_{smax}) (t_s)	60-120 seconds
Average ramp-up rate (T_{smax} 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)*	240°C
Time (t_p) ** within 5 °C of the specified classification temperature (T_c)	20** seconds
Average ramp-down rate (T_p to T_{smax})	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.



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