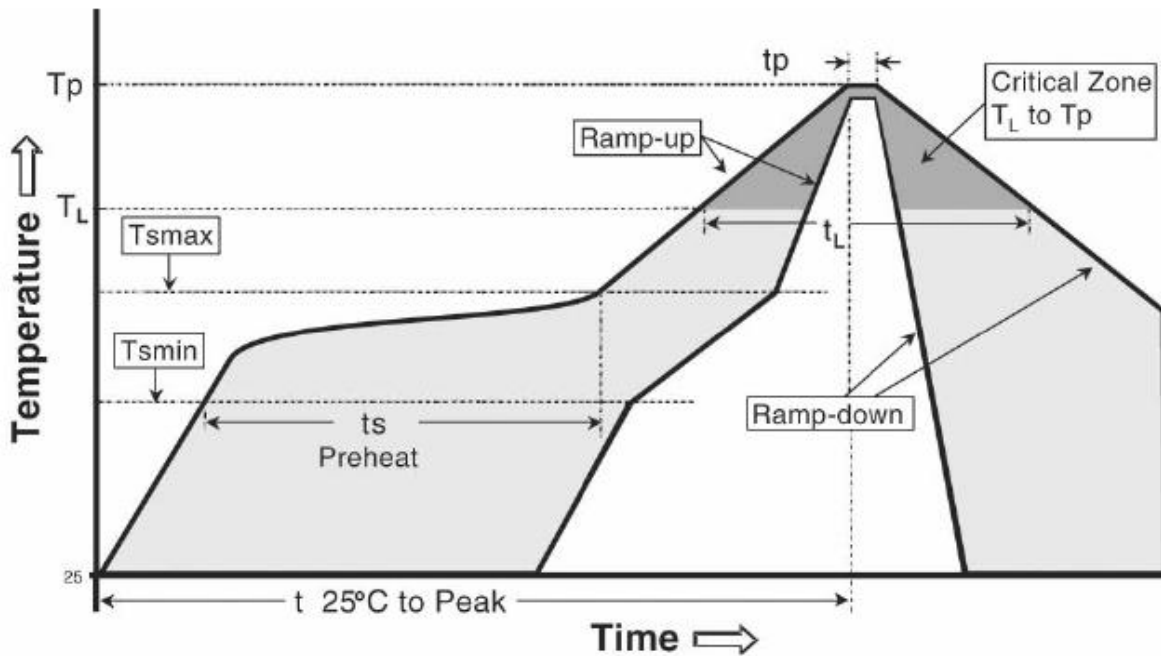


Reflow Profile (IPC/JEDEC J-STD-020C)



Typical SMT Reflow Profile for Maximum Temperature = 260°C (+0°C /-5°C)

Profile Feature	Pb Free Assembly 3x3mm Body
Average ramp-up rate (T_L to T_P)	3°C/sec max.
Preheat – Temperature Min (T_{smin}) – Temperature Max (T_{smax}) – Time (min to max) (t_s)	150°C 200°C 60-180 seconds
T_{smax} to T_L – Ramp-up Rate	3°C/sec max.
Time Maintained above – Temperature (T_L) – Time (t_L)	217°C 60-150 seconds
Peak Temperature	260°C (+0°C /-5°C)
Time within 5°C of actual Peak Temperature (t_p)	20-40 seconds
Ramp-down Rate	6°C /second max.
Time 25°C to Peak Temperature	8 minutes max



Note: peak reflow temperatures based on J-STD020C.

For purposes of qualification, Javelin Semiconductor used 260°C for all 3x3mm packages

Lead Free Whisker Statement

The base material metals are mainly comprised of Copper (Cu), with the plating material being Nickel (Ni) and Gold (Au). Henceforth, the material set utilized in this product is not conducive to whisker formation.

Document Title:	Type: Procedure	Rev: 1.0	Javelin Confidential
Reflow Profile			Page 2 of 4
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RoHS Compliant Certification



Advanced Semiconductor Engineering Korea Inc.
 494, Munba-ri, Gyoha-up, Paju-si, Gyeonggi-do, Korea.
www.asekr.com

Declaration of RoHS Compliance

To : Javelin Semiconductor Inc.,

23 May 2011

ASE-Korea hereby certify that “ None of Substances restricted by RoHS directive 2002/95/EU is intentionally used or added to your product, JAV5001, JAV5701, JAV5101, JAV5801, JAV5201, JAV5501 and none of them is contained in your product over the concentration limit, based upon our raw material suppliers information and their analysis report.

**RoHS Directive 2002/ 95/ EU
 Restriction of the use of Hazardous Substances
 in electrical and electronic equipment (EEE)**

Hazardous substances	Concentration limits
lead (Pb)	1000 mg/kg - 0.1%
mercury (Hg)	1000 mg/kg - 0.1%
cadmium (Cd)	100 mg/kg - 0.01%
hexavalent chromium (Cr VI)	1000 mg/kg - 0.1%
polybrominated biphenyls (PBB)	1000 mg/kg - 0.1%
polybrominated diphenyl ethers (PBDE)	1000 mg/kg - 0.1%



 Name : Youngjun Song

Title: GP Champion

Document Title:	Type: Procedure	Rev: 1.0	Javelin Confidential
Reflow Profile			Page 3 of 4
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Date	Doc. Revision	Reason for Change	Name
1/18/2011	Rev.0.1	New document generated	Abhay Misra