

Power MOSFETs

Mount Conditions

Introduction

This document explains recommended Mount Conditions of Renesas Power MOSFETs.

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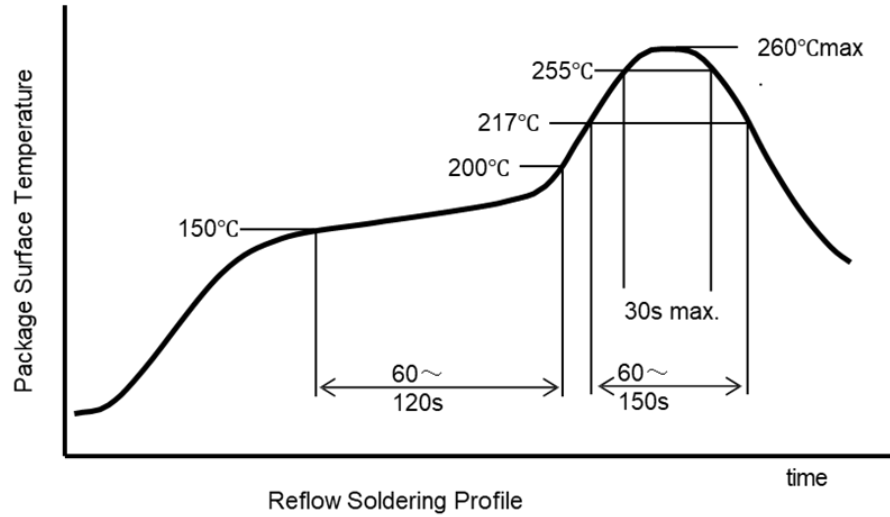
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1. Package line-up with Mount conditions

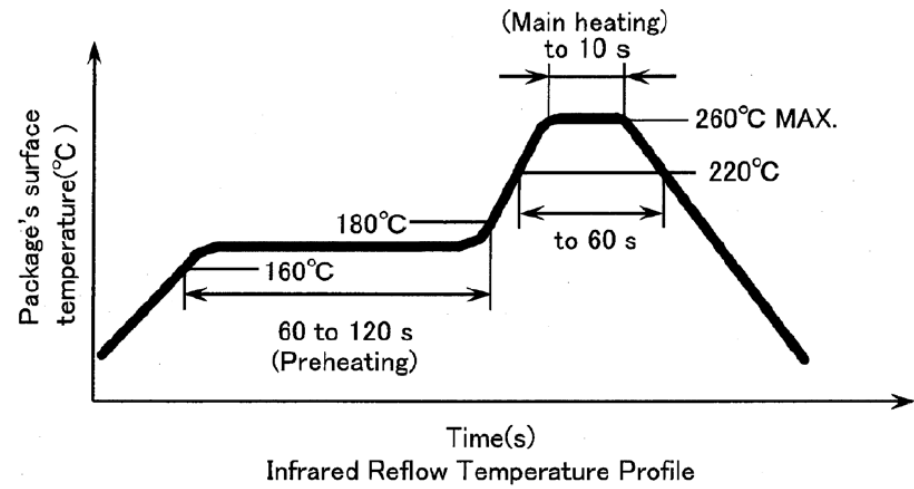
Standard Package	Renesas Package	Reflow Peak temp.	Profile No.	Flow Wave Soldering	Soldering iron
SON-8 3x3	μSO8-FL	260°C	1	-	350°C, 3s
SON-8 3x3	HWSO8-8	260°C	2	-	
SON-8 5x6	SO8-FL	260°C	1	-	
SON-8 5x6	HSON	260°C	2	-	
SON-8 5x6	WPAK	260°C	3	-	
LFPAK56	LFPAK	260°C	3	-	
SOP-8	SOP-8	260°C	3	260°C, 3s	
TO252	DPAK(S)	250°C	4	-	
TO252	MP-3A	260°C	5	-	
TO252	MP-3ZK,ZP	260°C	2	-	
TO263	LDBAK(S)	250°C	4	-	
TO263	MP-25ZK,ZP	260°C	2	-	
TO263-7	MP-25ZT,ZU	260°C	2	-	
TOLL	TOLL	260°C	1	-	
TOLG	TOLG	260°C	1	-	
TOLT	TOLT	260°C	1	-	
THD	LDBAK(L)	-	-	260°C, 10s	350°C, 3s
	TO220				
	TO220FL, FPA				
	TO3P				
	TO3PF				

Note: Conditions may vary depending on the product.
Please refer to the delivery specifications.

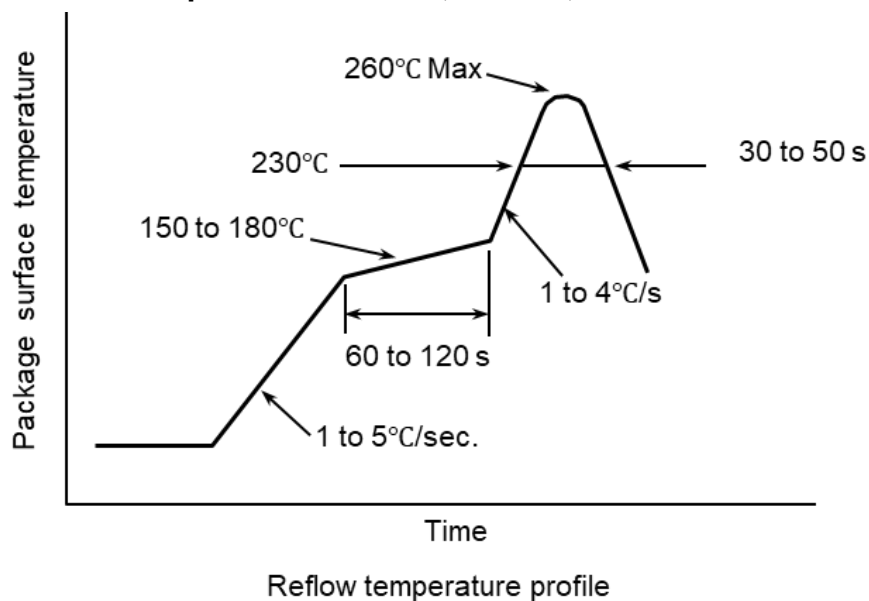
1.1 Reflow profile: JEDEC J-STD-020



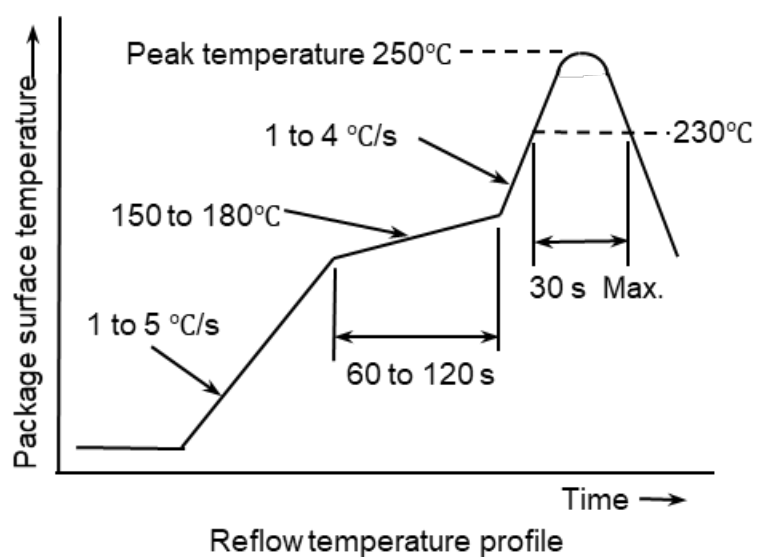
1.2 Reflow profile: IR60-00-3



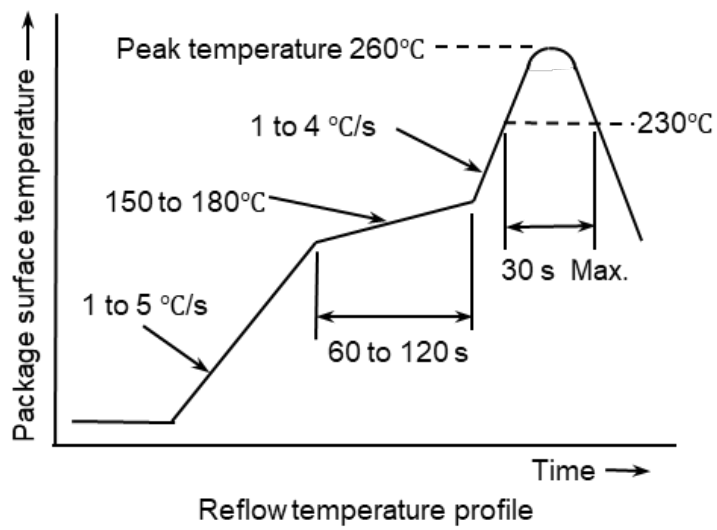
1.3 Reflow profile for WPAK, LFPAK, SOP-8



1.4 Reflow profile for DPAK, LDPAK



1.5 Reflow profile for MP-3A



Revision History

Rev.	Date	Description	
		Page	Summary
1. 00	Jul.22.2025		First edition

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