

## Information Only Change Notification

This is to inform you that a minor change is being made to the following product(s). This notification is for your information only.

If you have any questions concerning this notification, please contact:

**Change No: IN23004 rev0**

**Title:** Modify fast recovery rectifier product datasheets

**Issue Date:** 2023/5/16

**Change Coordinator**

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**Change Type:**

Datasheet revision

**Effectivity:**

Expected 1st device shipment date: N/A (Only a modification of datasheet, the actual product will not be changed)

**Product Category (Description):**

Fast Recovery Rectifier

**Description of Change:**

Datasheet revisions to modify Tj from 150C to 175C. Product didn't change anything.

Datasheet	Item	From	To	Remarks
FR SERIES	Tj	-55C to 150C	-55C to 175C	N/A
FR SERIES	IF/VF/IR Curve	With 150C curve	With 175C curve	N/A

**Effect of Change:**

Document change only. No impact on form, fit and function.

**Reliability Test Result:**

Test P/N: RS1MLSH/RS2G/RS2MA/RS3J/RS3MFSH  
 Package Type: SOD-123HE/SMB/SMA/SMC/SOD-128  
 Qualification/Reliability Result (AECQ-101)

Stress Test	Abbrev	Test Methods	Test Conditions	Final Readpoint	Requirements		Results	
					SS	# Lots	Rej/SS	Remarks
<b>Environmental and Lifetime Stress Tests</b>								
High Temp Reverse Bias	HTRB	MIL-STD-750-1	175°C; V=100% rated V	1008 hrs	77	5	0	PASS

**List of Affected Devices:**

Family	Package	Ordering Code
Fast recovery Rectifier	SMA	RS1A
Fast recovery Rectifier	SMA	RS1B
Fast recovery Rectifier	SMA	RS1D
Fast recovery Rectifier	SMA	RS1G
Fast recovery Rectifier	SMA	RS1J
Fast recovery Rectifier	SMA	RS1K
Fast recovery Rectifier	SMA	RS1M
Fast recovery Rectifier	SMA	RS1AH
Fast recovery Rectifier	SMA	RS1BH
Fast recovery Rectifier	SMA	RS1DH
Fast recovery Rectifier	SMA	RS1GH
Fast recovery Rectifier	SMA	RS1JH
Fast recovery Rectifier	SMA	RS1KH
Fast recovery Rectifier	SMA	RS1MH
Fast recovery Rectifier	SMA	RS2AA
Fast recovery Rectifier	SMA	RS2BA
Fast recovery Rectifier	SMA	RS2DA

Family	Package	Ordering Code
Fast recovery Rectifier	SMA	RS2GA
Fast recovery Rectifier	SMA	RS2JA
Fast recovery Rectifier	SMA	RS2KA
Fast recovery Rectifier	SMA	RS2MA
Fast recovery Rectifier	SMA	RS2AAH
Fast recovery Rectifier	SMA	RS2BAH
Fast recovery Rectifier	SMA	RS2DAH
Fast recovery Rectifier	SMA	RS2GAH
Fast recovery Rectifier	SMA	RS2JAH
Fast recovery Rectifier	SMA	RS2KAH
Fast recovery Rectifier	SMA	RS2MAH
Fast recovery Rectifier	SMB	RS2A
Fast recovery Rectifier	SMB	RS2B
Fast recovery Rectifier	SMB	RS2D
Fast recovery Rectifier	SMB	RS2G
Fast recovery Rectifier	SMB	RS2J
Fast recovery Rectifier	SMB	RS2K
Fast recovery Rectifier	SMB	RS2M
Fast recovery Rectifier	SMB	RS2AH
Fast recovery Rectifier	SMB	RS2BH
Fast recovery Rectifier	SMB	RS2DH
Fast recovery Rectifier	SMB	RS2GH
Fast recovery Rectifier	SMB	RS2JH
Fast recovery Rectifier	SMB	RS2KH
Fast recovery Rectifier	SMB	RS2MH
Fast recovery Rectifier	SMC	RS3A
Fast recovery Rectifier	SMC	RS3B
Fast recovery Rectifier	SMC	RS3D
Fast recovery Rectifier	SMC	RS3G
Fast recovery Rectifier	SMC	RS3J
Fast recovery Rectifier	SMC	RS3K
Fast recovery Rectifier	SMC	RS3M
Fast recovery Rectifier	SMC	RS3AH
Fast recovery Rectifier	SMC	RS3BH
Fast recovery Rectifier	SMC	RS3DH
Fast recovery Rectifier	SMC	RS3GH
Fast recovery Rectifier	SMC	RS3JH
Fast recovery Rectifier	SMC	RS3KH
Fast recovery Rectifier	SMC	RS3MH
Fast recovery Rectifier	SOD-123HE	RS1JLS

Family	Package	Ordering Code
Fast recovery Rectifier	SOD-123HE	RS1KLS
Fast recovery Rectifier	SOD-123HE	RS1MLS
Fast recovery Rectifier	SOD-123HE	RS1JLSH
Fast recovery Rectifier	SOD-123HE	RS1KLSH
Fast recovery Rectifier	SOD-123HE	RS1MLSH
Fast recovery Rectifier	SOD-128	RS1DFS
Fast recovery Rectifier	SOD-128	RS1GFS
Fast recovery Rectifier	SOD-128	RS1JFS
Fast recovery Rectifier	SOD-128	RS1KFS
Fast recovery Rectifier	SOD-128	RS1MFS
Fast recovery Rectifier	SOD-128	RS1DFSH
Fast recovery Rectifier	SOD-128	RS1GFSH
Fast recovery Rectifier	SOD-128	RS1JFSH
Fast recovery Rectifier	SOD-128	RS1KFSH
Fast recovery Rectifier	SOD-128	RS1MFSH
Fast recovery Rectifier	SOD-128	RS2DFS
Fast recovery Rectifier	SOD-128	RS2GFS
Fast recovery Rectifier	SOD-128	RS2JFS
Fast recovery Rectifier	SOD-128	RS2KFS
Fast recovery Rectifier	SOD-128	RS2MFS
Fast recovery Rectifier	SOD-128	RS2DFSH
Fast recovery Rectifier	SOD-128	RS2GFSH
Fast recovery Rectifier	SOD-128	RS2JFSH
Fast recovery Rectifier	SOD-128	RS2KFSH
Fast recovery Rectifier	SOD-128	RS2MFSH
Fast recovery Rectifier	SOD-128	RS3MFS
Fast recovery Rectifier	SOD-128	RS3MFSH
Fast recovery Rectifier	ThinSMA	RS1DAL
Fast recovery Rectifier	ThinSMA	RS1GAL
Fast recovery Rectifier	ThinSMA	RS1JAL
Fast recovery Rectifier	ThinSMA	RS1KAL
Fast recovery Rectifier	ThinSMA	RS1MAL
Fast recovery Rectifier	ThinSMA	RS1DALH
Fast recovery Rectifier	ThinSMA	RS1GALH
Fast recovery Rectifier	ThinSMA	RS1JALH
Fast recovery Rectifier	ThinSMA	RS1KALH
Fast recovery Rectifier	ThinSMA	RS1MALH
Fast recovery Rectifier	ThinSMA	RS2DAL
Fast recovery Rectifier	ThinSMA	RS2GAL
Fast recovery Rectifier	ThinSMA	RS2JAL

Family	Package	Ordering Code
Fast recovery Rectifier	ThinSMA	RS2KAL
Fast recovery Rectifier	ThinSMA	RS2MAL
Fast recovery Rectifier	ThinSMA	RS2DALH
Fast recovery Rectifier	ThinSMA	RS2GALH
Fast recovery Rectifier	ThinSMA	RS2JALH
Fast recovery Rectifier	ThinSMA	RS2KALH
Fast recovery Rectifier	ThinSMA	RS2MALH