



DATE: 13th March, 2015

PCN #: 2187

PCN Title: Datasheet Revision Due to Relaxation of Maximum Forward Voltage (V_F) Specification Limits

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. If you require samples for evaluation purposes, please make a request within 30 days as well. Otherwise, samples may not be built prior to this change. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN and for any sample requests.

The changes announced in this PCN will not be implemented earlier than 90 days from the notification date stated in the attached PCN form.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



PRODUCT CHANGE NOTICE

PCN-2187 REV 00

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
13 th March, 2015	12 th June, 2015	Discrete Semiconductors	Specification Change	2187

TITLE

Datasheet Revision Due to Relaxation of Maximum Forward Voltage (VF) Specification Limits

DESCRIPTION OF CHANGE

This PCN is being issued to notify customers that Diodes Incorporated is relaxing the Forward Voltage (VF) Max values. Please also refer to the table below for the new values.

Full electrical characterization has been completed on a representative device to ensure that the affected devices meet the new VF specifications as indicated. The description of the change is provided in the table below.

Electrical Characteristics @T_A = 25°C unless otherwise specified

Part Number	Case				Packaging		
MMBD5004BRM-7	SOT-26				3000/Tape & Reel		
Characteristic	Symbol	Min	Type	Max	Unit	Test Condition	
Forward Voltage (D/S Original Version, Rev. 4-2)	V _F	—	—	0.87	V	I _F = 20mA	
				1.0		I _F = 100mA	
				1.25		I _F = 200mA	
Characteristic	Symbol	Min	Type	Max	Unit	Test Condition	
Forward Voltage (D/S New Version)	V _F	—	—	0.93	V	I _F = 20mA	
				1.10		I _F = 100mA	
				1.29		I _F = 200mA	

Part Number	Case				Packaging		
MMBD5004S-7, MMBD5004C-7, MMBD5004A-7	SOT23				3000/Tape & Reel		
Characteristic	Symbol	Min	Type	Max	Unit	Test Condition	
Forward Voltage (D/S Original Version, Rev. 2-2)	V _F	—	—	0.9	V	I _F = 20mA	
				1.05		I _F = 100mA	
				1.275		I _F = 200mA	
Characteristic	Symbol	Min	Type	Max	Unit	Test Condition	
Forward Voltage (D/S New Version)	V _F	—	—	0.93	V	I _F = 20mA	
				1.10		I _F = 100mA	
				1.29		I _F = 200mA	

IMPACT

Relaxation of Maximum Specification for Forward Voltage (VF)

PRODUCTS AFFECTED

MMBD5004BRM-7, MMBD5004A-7, MMBD5004C-7, and MMBD5004S-7

WEB LINKS



Manufacturer's Notice:	http://www.diodes.com/quality/pcns
For More Information Contact:	http://www.diodes.com/contacts
Data Sheet:	http://www.diodes.com/products
DISCLAIMER	
Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.	