



DATE: 2nd February, 2023

PCN #: 2609

PCN Title: Datasheet Revision Due to Maximum VBE(on) Specification Limit Change

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 immediately. 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-2609 REV 1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
2 nd February, 2023	2 nd May, 2023	Discrete	Specification Change	2609

TITLE

Datasheet Revision Due to Maximum VBE(on) Specification Limit Change

DESCRIPTION OF CHANGE

This PCN is being issued to notify customers that Diodes Incorporated is adjusting the VBE(on) Max value. Please refer to the table below for the new Max value.

Full electrical characterization has been completed on a representative device to ensure that the affected device meets the new VBE(on) specification as indicated. The description of change is provided in the following table for the products listed below.

There will be no change to the Form or Fit of affected products.

Electrical Characteristics @TA = 25°C unless otherwise specified

Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Base-Emitter Voltage (Current D/S Version)	VBE(on)	—	—	720	mV	VCE = 5V, IC = 10mA
Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Base-Emitter Voltage (New D/S Version)	VBE(on)	—	—	770	mV	VCE = 5V, IC = 10mA

IMPACT

Change of Maximum Specification Limit for VBE(on)

PRODUCTS AFFECTED

BC847BVN-7, BC847PN-7-F, BC847PN-7R-F

WEB LINKS

Manufacturer's Notice:	https://www.diodes.com/quality/product-change-notices/diodes-product-change-notices/
For More Information Contact:	https://www.diodes.com/about/contact-us
Data Sheet:	https://www.diodes.com/catalog/

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.