



DATE: 2nd February, 2023

PCN #: 2615

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

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-2615 REV 1

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:														
2 nd February, 2023	2 nd May, 2023	Discrete - Automotive	Specification Change	2615														
TITLE																		
Datasheet Revision Due to Maximum VBE(on) Specification Limit Change - Automotive																		
DESCRIPTION OF CHANGE																		
<p>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.</p> <p>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 tables for the automotive products listed below.</p> <p>There will be no change to the Form or Fit of affected products.</p>																		
Electrical Characteristics @TA = 25°C unless otherwise specified																		
<table border="1"><thead><tr><th>Characteristic</th><th>Symbol</th><th>Min</th><th>Typ</th><th>Max</th><th>Unit</th><th>Test Condition</th></tr></thead><tbody><tr><td>Base-Emitter Voltage (Current D/S Version)</td><td>VBE(on)</td><td>—</td><td>—</td><td>720</td><td>mV</td><td>VCE = 5V, IC = 10mA</td></tr></tbody></table>					Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition	Base-Emitter Voltage (Current D/S Version)	VBE(on)	—	—	720	mV	VCE = 5V, IC = 10mA
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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																		
BC847BVNQ-7, BC847PNQ-7-F, BC847PNQ-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/contact-sales/																	
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.																		