

Wolfspeed® Product/Process Change Notification

PCN Number: PCN-00088
PCN Type: Informational

PCN Issue Date: October 23, 2023

PCN Title

Updated Datasheet Package Drawing of TO-252-2 for SiC Discrete Schottky Diode

Description of the Change

Wolfspeed is making changes in the TO-252-2 package outline drawing in its datasheets for the discrete power products listed in Table 1. These changes will have impacts on the TO-252-2 packages as summarized below.

- Reduced tolerance window on dimensions A, A1, b, c, E, and L.
- Reduced LSL on dimension b2.
- Changed dimension L4 to the reference dimension.
- Changed dimension theta's reference name to R that is now a typical dimension.
- Added USL and LSL for dimension e.
- Added dimension A2 to better clarify lead design, replacing old dimension L2.

Benefit of the Change

Dimensions listed in the package outline drawings have been updated to reflect current production tolerances of the TO-252-2 discrete power products listed in Table 1.

Affected Products

Table 1 lists the products affected by this Informational PCN.

Table 1. Affected Product List.

Wolfspeed Part Number		
C3D02060E	C3D06065E	C4D08120E
C3D02065E	C3D08065E	C6D10065E
C3D03060E	C3D10065E	E4D02120E
C3D03065E	CSD01060E	C4D02120E
C3D04060E	C6D04065E	C4D05120E
C3D04065E	C6D06065E	
C6D08065E	C4D10120E	

Anticipated Impact

No change expected to current production. Table 2 summarizes the revision history of the datasheets relevant to this change. These changes have no impact to electrical functionality of any of the discrete Schottky diode parts. They reflect the updated production mechanical tolerances.

Table 2. Datasheet Revision History.

Product	Package	Previous Datasheet Revision	New Datasheet Revision
C3D10065E	TO-252-2	Rev B	Rev 7
C3D02060E	TO-252-2	Rev E	Rev 10
C3D02065E	TO-252-2	Rev A	Rev 6
C3D03060E	TO-252-2	Rev D	Rev 8
C3D03065E	TO-252-2	Rev B	Rev 6
C3D04060E	TO-252-2	Rev F	Rev 11
C3D04065E	TO-252-2	Rev A	Rev 6
C6D08065E	TO-252-2	Rev A	Rev 3
C3D06065E	TO-252-2	Rev A	Rev 6
C3D08065E	TO-252-2	Rev A	Rev 6
CSD01060E	TO-252-2	Rev Q	Rev 1
C6D04065E	TO-252-2	Rev A	Rev 3
C6D06065E	TO-252-2	Rev A	Rev 3
C4D10120E	TO-252-2	Rev F	Rev 10
C4D08120E	TO-252-2	Rev F	Rev 9
C6D10065E	TO-252-2	Rev A	Rev 3
E4D02120E	TO-252-2	Rev 0	Rev 1
C4D02120E	TO-252-2	Rev I	Rev 12
C4D05120E	TO-252-2	Rev F	Rev 10

Contact Information

If you have any questions regarding this Informational PCN, please refer to the contact information listed in Table 3.

Table 3. PCN Contact.

WolfSpeed Contact	WolfSpeed PCN Administrator
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Revision History

Date	Revision	Description
October 23, 2023	0	Initial release