

Cree® Product End-of-Life Notification

PCN Number:	CREE-PCN-1284	Date Issued:	April 16, 2021
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Title

Product Discontinuance of Bare Die of Gen-5 and Partial Gen-3 Schottky Diodes

Description of the Change

As Cree continues to ramp up its production to meet industry growth, it has to discontinue the products listed in Table 1 of this document without offering last-time buy orders. Cree understands fully that making this difficult decision is not aligned with the industry standards or its own expectations. In the future, Cree will strive to provide early notifications of the upcoming changes to serve better its customers.

Effective immediately, Cree, Inc. will no longer manufacture Gen-5 and partial Gen-3 bare die Schottky diodes. These diodes will be replaced by the Gen-6 diode family. Please review the key End-of-Life (EOL) PCN information below.

Affected Products

Table 1 provides a list of the products affected by this EOL notification.

Table 1. Affected Products List.

Discontinued Part Number	Replacement Part Number
CPW3-1700-Z010A	CPW6-1700-Z010A
CPW3-1700-Z025A	CPW6-1700-Z025A
CPW5-0650-Z030B	CPW6-0650-Z030A
CPW5-0650-Z050B	CPW6-0650-Z050A
CPW5-1200-Z050B	CPW6-1200-Z050A
CPW5-1700-Z005A	CPW6-1700-Z005A
CPW5-1700-Z010A	CPW6-1700-Z010A
CPW5-1700-Z025A	CPW6-1700-Z025A
CPW5-1700-Z050B	CPW6-1700-Z050A

Suitable Replacement Products

Table 2 summarizes the availability status of qualification reports and samples for the Gen-6 replacement products. Note that the availability of Gen-6 diodes is tentative and subject to change. The back-metal stack of these diodes will be changed from silver (Ag) to gold (Au), which will improve the device ability to withstand harsh environments.

Table 2. Suitable Replacement Products.

Part Number	Qualification Report Date	Sample Availability Date
CPW6-0650-Z030A (650 V, 30 A)	10/28/21	10/28/21
CPW6-0650-Z050A (650 V, 50 A)	10/28/21	10/28/21
CPW6-1200-Z050A (1200 V, 50 A)	07/01/21	07/01/21
CPW6-1700-Z005A (1700 V, 5 A)	01/20/22	01/20/22
CPW6-1700-Z010A (1700 V, 10 A)	01/20/22	01/20/22
CPW6-1700-Z025A (1700 V, 25 A)	01/20/22	01/20/22
CPW6-1700-Z050A (1700 V, 50 A)	01/20/22	01/20/22

Key End-of-Life Dates

Cree will provide its technical support to bare die of Gen-3 and Gen-5 Schottky diodes until December 31, 2021.

Cree Contact Information

If you have any question regarding the recommended replacement parts in your applications, please refer to the contact information listed in Table 3.

Table 3. Contact Information.

Cree Contact:	Anri Mikirtichev
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Cree Contact Phone:	+1 (919) 407 4772
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Revision History

Date	Revision	Description
April 16, 2021	1.0	Initial release