

Cree, Inc. Product Change Notification

PCN-PW056: Gate Drive Voltage Change & Version Increase for CGD15HB62LP

Change Description

Cree has improved their 1.2kV, high performance 62mm half-bridge gate driver product line to accommodate the gate voltage of the CAS325M12HM2 product operating at a junction temperature of 175 °C. The new gate driver board has drive voltage of +18 / -5V, compared to the previous +20/-5V operation of the first version of the board. The enhanced functionality enables customers to operate the CAS325M12HM2 up to its maximum rated junction temperature. Cree's intent is to obsolete the existing part number listed below:

Existing Part: CGD15HB62LP V1 or V2

Replacement: CGD15HB62LP V3

Product Description

Cree Gate Driver for 1.2kV, High-Performance 62mm Half-Bridge Power Module (CAS325M12HM2)

Impact of Change

The existing part number CGD15HB62LP V1 / V2 is no longer recommended for new designs. All customers with existing POs in backlog will be given the option to convert to the new part number which is currently in Cree inventory. A one-time final build with 8 weeks lead time will be offered to the customers in the backlog who are unable to convert. Existing product will remain in Cree's distribution channels until sellout. The replacement revision is recommended for new designs, available from stock, and offers the best price for performance, order lead time, and availability.

Reason For Change

The replacement part is an example of Cree's commitment to provide new and improved products to the power electronics market. Customers interested in Cree's power module products are primarily pursuing higher system level performance; the replacement part enables customers to pursue these design targets more aggressively, thereby extracting more system level benefit from Cree's module products.

Effective Implementation Date

This change is effective immediately. Existing part number CGD15HB62LP V1 is no longer recommended for new designs. Cree will perform a one-time final build to cover the needs of existing backlog customers unable to convert to the replacement part. Afterward, production of the existing part will be discontinued.

Contact

Any questions or requests for additional information should be directed to your sales representative or by contacting Cree, Inc. directly at 919-287-7888, or via email at CreePower_sales@cree.com.

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