



4600 Silicon Drive
Durham, North Carolina, USA 27703
Tel: +1.919.313.5300

March 15, 2019

Process Change Notice: Change the Package Feed-through (from 440217 to 440225)

This is a process change notice (PCN) to inform you that we are changing the package design for the CGHV35400F GaN HEMT product.

The Cree policy allows for 30 days to notification if you have specific conditions of acceptance. If you require further data, please feel free to contact either Ryan Baker.

Thank you,
Ryan

Ryan Baker

Product Marketing Manager | RF Components & RF Foundry Services

Wolfspeed, A Cree Company

3028 E. Cornwallis Road, Durham, North Carolina 27709 USA

Office: (919) 407-7816 | Cell: (919) 995-7238

Email: rbaker@cree.com

Alternate Contact:

Sarah Miller

Sarah.Miller@wolfspeed.com

919.407.5302



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DESCRIPTION OF DESIGN AND/OR PROCESS CHANGE

Implementation Date: 6/15/2019

Part Numbers of Products Affected:

CGHV35400F

Description of Change:

The current package construction of the 440217, does not support applications using high DC and RF current applied to the output feed-through, when combined with high-power, long pulse applications. This change enables more S-Band radar applications for the CGHV35400F.

A new package feed-through design, 440225, reduces the feed-through resistance and is qualified for use in high current, high output power (>500 W), long pulse applications. The CGHV35400F now uses the 440225 package.

The dimensions of the product foot print do not change (see drawing below). In addition, there are no changes to the electrical specifications.

