



Expertise Applied | Answers Delivered

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Product Change Notice (PCN)

Tuesday, September 10, 2024

LFPCN240906WXC

Product Change Notification for Littelfuse 650V Silicon Carbide Diode "LSIC2SD065" series

Change categories

<input type="checkbox"/> Obsolescence/discontinuance	<input type="checkbox"/> Manufacturing site
<input type="checkbox"/> Technology	<input type="checkbox"/> Testing/qualification
<input checked="" type="checkbox"/> Material: second source of epi wafer	<input type="checkbox"/> Datasheet
<input type="checkbox"/> Process	<input type="checkbox"/> Other:

To our customers and partners,

Littelfuse would like to inform you about the qualification of a second source of epi wafer material for its Silicon Carbide Schottky diode series "LSIC2SD065".

This second source will allow us to provide better service by reducing our production lead time and ensuring safety of supply for the diodes.

The affected part numbers and a summary of the reliability test results are listed on page 2.

Diodes built using either source of epi wafers are equivalent in function, performance and quality. There is no change in datasheet parameters. Qualification reports are available on request.

Lack of acknowledgement of this PCN until October 14th, 2024 will be considered an acceptance of the change.

Please contact your Regional Sales representative or Field Application Engineer for any inquiry.

Best Regards,
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Affected part numbers

Part number	Description
LSIC2SD065A10A	650V, 10A SiC Schottky diode in TO220-2L
LSIC2SD065A20A	650V, 20A SiC Schottky diode in TO220-2L
LSIC2SD065D10A	650V, 10A SiC Schottky diode in TO263-2L
LSIC2SD065D20A	650V, 20A SiC Schottky diode in TO263-2L
LSIC2SD065E20CCA	650V, 2*10A SiC Schottky diode common cathode in TO247-3L
LSIC2SD065E40CCA	650V, 2*20A SiC Schottky diode common cathode in TO247-3L
LSIC2SD065D40CC	650V, 2*20A SiC Schottky diode common cathode in TO263-2L

Reliability test summary

Product	Description	Package	UHASt 96h	TC	HTRB 560V 1008h	H3TRB 1008h	Power cycling (slow)
LSIC2SD065D40CC	2 x 650V, 20A	TO-263- 2L	-	0/40@500c -55 to 150C	-	-	-
DCL120X650NA*	6 x 650V, 20A	SOT-227	-	0/20@500c -40 to 150C	0/80	0/20@100V 0/20@560V	0/10@10Kc
LSIC2SD065E40CC	2 x 650V, 20A	TO-247- 3L	0/80	0/80@1000c -55 to 150C	0/80	0/80@100V 0/80@560V	-

* the DCL120X650NA is a new product not affected by this PCN. As it has been qualified with the new epi material, its qualification results have been considered for this PCN.