



Expertise Applied | Answers Delivered

8755 W. Higgins Road
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Product Change Notice (PCN)

Monday, August 12, 2024

LFPCN240802WXC

Product Change Notification for Littelfuse 1200V Silicon Carbide Diode “LSIC2SD120” 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 “LSIC2SD120”.

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 September 1st, 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
LSIC2SD120A10A	1200V, 10A SiC Schottky diode in TO220-2L
LSIC2SD120A20A	1200V, 20A SiC Schottky diode in TO220-2L
LSIC2SD120D10A	1200V, 10A SiC Schottky diode in TO263-2L
LSIC2SD120D20A	1200V, 20A SiC Schottky diode in TO263-2L
LSIC2SD120E20CCA	1200V, 2*10A SiC Schottky diode common cathode in TO247-3L
LSIC2SD120E30CCA	1200V, 2*15A SiC Schottky diode common cathode in TO247-3L
LSIC2SD120E40CCA	1200V, 2*20A SiC Schottky diode common cathode in TO247-3L
LSIC2SD120N40PA	1200V, 2*20A SiC Schottky diode parallel in SOT227
LSIC2SD120N80PA	1200V, 2*40A SiC Schottky diode parallel in SOT227
LSIC2SD120N120PA	1200V, 2*60A SiC Schottky diode parallel in SOT227

Reliability test summary

Part number	Wafer Lot	Package	UHASt 96	TC	HTRB 1008h	H3TRB 1008h	Power cycling	IAK (surge)
LSIC2SD120A20A	U42278-02	TO-220-2L	0/80	0/80@1000c	0/80	0/80	-	0/5 (40A)
LSIC2SD120A20A	U42280-02	TO-220-2L	0/80	0/80@1000c	0/80	0/80	-	0/5 (40A)
LSIC2SD120N120PA	U42278-06	SOT-227	0/20	0/20@1000c	0/20	0/20	0/10	-
LSIC2SD120N120PA	U42280-06	SOT-227	-	0/20@500c	-	0/20	-	-