



DATE: 20 July, 2021

PCN #: 2528 – REV 2

PCN Title: Device End of Life (EOL)

Dear Customer:

This is an announcement of change(s) to products that are currently being offered by Diodes Incorporated.

We request that you acknowledge receipt of this notification within 30 days of the date of this PCN. Please refer to the implementation date of this change as it is stated in the attached PCN form. Please contact your local Diodes sales representative to acknowledge receipt of this PCN.

Previously agreed upon customer specific change process requirements or device specific requirements will be addressed separately.

For questions or clarification regarding this PCN, please contact your local Diodes sales representative.

Sincerely,

Diodes Incorporated PCN Team



---

**PRODUCT CHANGE NOTICE****PCN-2528 REV 2**

---

Notification Date:	Implementation Date:	Product Family:	Change Type:	PCN #:
20 July, 2021	Immediate	Discrete	Device End of Life (EOL)	2528
TITLE				
Device End of Life (EOL)				
DESCRIPTION OF CHANGE				
<p>This PCN is being issued to notify customers that Lite-On Semiconductor (LSC) products listed below will no longer be available from Diodes Incorporated.</p> <p>Please contact your local Diodes representatives for any questions or additional information.</p> <p>Rev 2: a) Diodes Incorporated brand recommended replacement part numbers are being added in Table 1 and are available for immediate substitution. Please refer to Appendix A below for a summary table comparing product data sheet specifications between Lite-On Semiconductor (LSC) EOL brand devices and Diodes Incorporated brand recommended replacement parts. b) Added three additional EOL part numbers listed in red text in Table 1. c) Implementation date is being changed to "Immediate".</p>				
IMPACT				
Table 1 : Lite-On Semiconductor (LSC) EOL Devices With Replacement Parts And With No Life-time Buy Opportunity				
PRODUCTS AFFECTED				
See Table 1 below.				
WEB LINKS				
Manufacturer's Notice:	<a href="https://www.diodes.com/quality/product-change-notices">https://www.diodes.com/quality/product-change-notices</a>			
For More Information Contact:	<a href="https://www.diodes.com/about/contact-us">https://www.diodes.com/about/contact-us</a>			
Data Sheet:	<a href="https://www.diodes.com/catalog">https://www.diodes.com/catalog</a>			
DISCLAIMER				
Unless a Diodes Incorporated Sales representative is contacted in writing within 30 days of the posting of this notice, all changes described in this announcement are considered approved.				

**Table 1 - Lite-On Semiconductor (LSC) EOL Devices With Replacement Parts And With No Life-time Buy Opportunity**

LSC Part Number (MPN)	Diodes Recommended Replacement Part Number	LSC Part Number (MPN)	Diodes Recommended Replacement Part Number	LSC Part Number (MPN)	Diodes Recommended Replacement Part Number
3.0SMCJ100A	3.0SMCJ100A-13	3.0SMCJ26A	3.0SMCJ26A-13	SMAJ100A	SMAJ100A-13-F
3.0SMCJ100CA	3.0SMCJ100CA-13	3.0SMCJ26CA	3.0SMCJ26CA-13	SMAJ100CA	SMAJ100CA-13-F
3.0SMCJ10A	3.0SMCJ10A-13	3.0SMCJ28A	3.0SMCJ28A-13	SMAJ10A	SMAJ10A-13-F
3.0SMCJ10CA	3.0SMCJ10CA-13	3.0SMCJ28CA	3.0SMCJ28CA-13	SMAJ10CA	SMAJ10CA-13-F
3.0SMCJ110A	3.0SMCJ110A-13	3.0SMCJ30A	3.0SMCJ30A-13	SMAJ110A	SMAJ110A-13-F
3.0SMCJ110CA	3.0SMCJ110CA-13	3.0SMCJ30CA	3.0SMCJ30CA-13	SMAJ110CA	SMAJ110CA-13-F
3.0SMCJ11A	3.0SMCJ11A-13	3.0SMCJ33A	3.0SMCJ33A-13	SMAJ11A	SMAJ11A-13-F
3.0SMCJ11CA	3.0SMCJ11CA-13	3.0SMCJ33CA	3.0SMCJ33CA-13	SMAJ11CA	SMAJ11CA-13-F
3.0SMCJ120A	3.0SMCJ120A-13	3.0SMCJ36A	3.0SMCJ36A-13	SMAJ120A	SMAJ120A-13-F
3.0SMCJ120CA	3.0SMCJ120CA-13	3.0SMCJ36CA	3.0SMCJ36CA-13	SMAJ120CA	SMAJ120CA-13-F
3.0SMCJ12A	3.0SMCJ12A-13	3.0SMCJ40A	3.0SMCJ40A-13	SMAJ12A	SMAJ12A-13-F
3.0SMCJ12CA	3.0SMCJ12CA-13	3.0SMCJ40CA	3.0SMCJ40CA-13	SMAJ12CA	SMAJ12CA-13-F
3.0SMCJ130A	3.0SMCJ130A-13	3.0SMCJ43A	3.0SMCJ43A-13	SMAJ130A	SMAJ130A-13-F
3.0SMCJ130CA	3.0SMCJ130CA-13	3.0SMCJ43CA	3.0SMCJ43CA-13	SMAJ130CA	SMAJ130CA-13-F
3.0SMCJ13A	3.0SMCJ13A-13	3.0SMCJ45A	3.0SMCJ45A-13	SMAJ13A	SMAJ13A-13-F
3.0SMCJ13CA	3.0SMCJ13CA-13	3.0SMCJ45CA	3.0SMCJ45CA-13	SMAJ13CA	SMAJ13CA-13-F
3.0SMCJ14A	3.0SMCJ14A-13	3.0SMCJ48A	3.0SMCJ48A-13	SMAJ14A	SMAJ14A-13-F
3.0SMCJ14CA	3.0SMCJ14CA-13	3.0SMCJ48CA	3.0SMCJ48CA-13	SMAJ14CA	SMAJ14CA-13-F
3.0SMCJ150A	3.0SMCJ150A-13	3.0SMCJ51A	3.0SMCJ51A-13	SMAJ150A	SMAJ150A-13-F
3.0SMCJ150CA	3.0SMCJ150CA-13	3.0SMCJ51CA	3.0SMCJ51CA-13	SMAJ150CA	SMAJ150CA-13-F
3.0SMCJ15A	3.0SMCJ15A-13	3.0SMCJ54A	3.0SMCJ54A-13	SMAJ15A	SMAJ15A-13-F
3.0SMCJ15CA	3.0SMCJ15CA-13	3.0SMCJ54CA	3.0SMCJ54CA-13	SMAJ15CA	SMAJ15CA-13-F
3.0SMCJ160A	3.0SMCJ160A-13	3.0SMCJ58A	3.0SMCJ58A-13	SMAJ160A	SMAJ160A-13-F
3.0SMCJ160CA	3.0SMCJ160CA-13	3.0SMCJ58CA	3.0SMCJ58CA-13	SMAJ160CA	SMAJ160CA-13-F
3.0SMCJ16A	3.0SMCJ16A-13	3.0SMCJ60A	3.0SMCJ60A-13	SMAJ16A	SMAJ16A-13-F
3.0SMCJ16CA	3.0SMCJ16CA-13	3.0SMCJ60CA	3.0SMCJ60CA-13	SMAJ16CA	SMAJ16CA-13-F
3.0SMCJ170A	3.0SMCJ170A-13	3.0SMCJ64A	3.0SMCJ64A-13	SMAJ170A	SMAJ170A-13-F
3.0SMCJ170CA	3.0SMCJ170CA-13	3.0SMCJ64CA	3.0SMCJ64CA-13	SMAJ170CA	SMAJ170CA-13-F
3.0SMCJ17A	3.0SMCJ17A-13	3.0SMCJ70A	3.0SMCJ70A-13	SMAJ17A	SMAJ17A-13-F
3.0SMCJ17CA	3.0SMCJ17CA-13	3.0SMCJ70CA	3.0SMCJ70CA-13	SMAJ17CA	SMAJ17CA-13-F
3.0SMCJ18A	3.0SMCJ18A-13	3.0SMCJ75A	3.0SMCJ75A-13	SMAJ18A	SMAJ18A-13-F
3.0SMCJ18CA	3.0SMCJ18CA-13	3.0SMCJ75CA	3.0SMCJ75CA-13	SMAJ18CA	SMAJ18CA-13-F
3.0SMCJ20A	3.0SMCJ20A-13	3.0SMCJ78A	3.0SMCJ78A-13	SMAJ20A	SMAJ20A-13-F
3.0SMCJ20CA	3.0SMCJ20CA-13	3.0SMCJ78CA	3.0SMCJ78CA-13	SMAJ20CA	SMAJ20CA-13-F
3.0SMCJ22A	3.0SMCJ22A-13	3.0SMCJ85A	3.0SMCJ85A-13	SMAJ22A	SMAJ22A-13-F
3.0SMCJ22CA	3.0SMCJ22CA-13	3.0SMCJ85CA	3.0SMCJ85CA-13	SMAJ22CA	SMAJ22CA-13-F
3.0SMCJ24A	3.0SMCJ24A-13	3.0SMCJ90A	3.0SMCJ90A-13	SMAJ24A	SMAJ24A-13-F
3.0SMCJ24CA	3.0SMCJ24CA-13	3.0SMCJ90CA	3.0SMCJ90CA-13	SMAJ24CA	SMAJ24CA-13-F



Table 1 Cont. - Lite-On Semiconductor (LSC) EOL Devices With Replacement Parts And With No Life-time Buy Opportunity

LSC Part Number (MPN)	Diodes Recommended Replacement Part Number	LSC Part Number (MPN)	Diodes Recommended Replacement Part Number	LSC Part Number (MPN)	Diodes Recommended Replacement Part Number
SMAJ26A	SMAJ26A-13-F	SMBJ100A	SMBJ100A-13-F	SMBJ26A	SMBJ26A-13-F
SMAJ26CA	SMAJ26CA-13-F	SMBJ100CA	SMBJ100CA-13-F	SMBJ26CA	SMBJ26CA-13-F
SMAJ28A	SMAJ28A-13-F	SMBJ10A	SMBJ10A-13-F	SMBJ28A	SMBJ28A-13-F
SMAJ28CA	SMAJ28CA-13-F	SMBJ10CA	SMBJ10CA-13-F	SMBJ28CA	SMBJ28CA-13-F
SMAJ30A	SMAJ30A-13-F	SMBJ110A	SMBJ110A-13-F	SMBJ30A	SMBJ30A-13-F
SMAJ30CA	SMAJ30CA-13-F	SMBJ110CA	SMBJ110CA-13-F	SMBJ30CA	SMBJ30CA-13-F
SMAJ33A	SMAJ33A-13-F	SMBJ11A	SMBJ11A-13-F	SMBJ33A	SMBJ33A-13-F
SMAJ33CA	SMAJ33CA-13-F	SMBJ11CA	SMBJ11CA-13-F	SMBJ33CA	SMBJ33CA-13-F
SMAJ36A	SMAJ36A-13-F	SMBJ120A	SMBJ120A-13-F	SMBJ36A	SMBJ36A-13-F
SMAJ36CA	SMAJ36CA-13-F	SMBJ120CA	SMBJ120CA-13-F	SMBJ36CA	SMBJ36CA-13-F
SMAJ40A	SMAJ40A-13-F	SMBJ12A	SMBJ12A-13-F	SMBJ40A	SMBJ40A-13-F
SMAJ40CA	SMAJ40CA-13-F	SMBJ12CA	SMBJ12CA-13-F	SMBJ40CA	SMBJ40CA-13-F
SMAJ43A	SMAJ43A-13-F	SMBJ130A	SMBJ130A-13-F	SMBJ43A	SMBJ43A-13-F
SMAJ43CA	SMAJ43CA-13-F	SMBJ130CA	SMBJ130CA-13-F	SMBJ43CA	SMBJ43CA-13-F
SMAJ45A	SMAJ45A-13-F	SMBJ13A	SMBJ13A-13-F	SMBJ45A	SMBJ45A-13-F
SMAJ45CA	SMAJ45CA-13-F	SMBJ13CA	SMBJ13CA-13-F	SMBJ45CA	SMBJ45CA-13-F
SMAJ48A	SMAJ48A-13-F	SMBJ14A	SMBJ14A-13-F	SMBJ48A	SMBJ48A-13-F
SMAJ48CA	SMAJ48CA-13-F	SMBJ14CA	SMBJ14CA-13-F	SMBJ48CA	SMBJ48CA-13-F
SMAJ51A	SMAJ51A-13-F	SMBJ150A	SMBJ150A-13-F	SMBJ51A	SMBJ51A-13-F
SMAJ51CA	SMAJ51CA-13-F	SMBJ150CA	SMBJ150CA-13-F	SMBJ51CA	SMBJ51CA-13-F
SMAJ54A	SMAJ54A-13-F	SMBJ15A	SMBJ15A-13-F	SMBJ54A	SMBJ54A-13-F
SMAJ54CA	SMAJ54CA-13-F	SMBJ15CA	SMBJ15CA-13-F	SMBJ54CA	SMBJ54CA-13-F
SMAJ58A	SMAJ58A-13-F	SMBJ160A	SMBJ160A-13-F	SMBJ58A	SMBJ58A-13-F
SMAJ58CA	SMAJ58CA-13-F	SMBJ160CA	SMBJ160CA-13-F	SMBJ58CA	SMBJ58CA-13-F
SMAJ60A	SMAJ60A-13-F	SMBJ16A	SMBJ16A-13-F	SMBJ60A	SMBJ60A-13-F
SMAJ60CA	SMAJ60CA-13-F	SMBJ16CA	SMBJ16CA-13-F	SMBJ60CA	SMBJ60CA-13-F
SMAJ64A	SMAJ64A-13-F	SMBJ170A	SMBJ170A-13-F	SMBJ64A	SMBJ64A-13-F
SMAJ64CA	SMAJ64CA-13-F	SMBJ170CA	SMBJ170CA-13-F	SMBJ64CA	SMBJ64CA-13-F
SMAJ70A	SMAJ70A-13-F	SMBJ17A	SMBJ17A-13-F	SMBJ70A	SMBJ70A-13-F
SMAJ70CA	SMAJ70CA-13-F	SMBJ17CA	SMBJ17CA-13-F	SMBJ70CA	SMBJ70CA-13-F
SMAJ75A	SMAJ75A-13-F	SMBJ18A	SMBJ18A-13-F	SMBJ75A	SMBJ75A-13-F
SMAJ75CA	SMAJ75CA-13-F	SMBJ18CA	SMBJ18CA-13-F	SMBJ75CA	SMBJ75CA-13-F
SMAJ78A	SMAJ78A-13-F	SMBJ20A	SMBJ20A-13-F	SMBJ78A	SMBJ78A-13-F
SMAJ78CA	SMAJ78CA-13-F	SMBJ20CA	SMBJ20CA-13-F	SMBJ78CA	SMBJ78CA-13-F
SMAJ85A	SMAJ85A-13-F	SMBJ22A	SMBJ22A-13-F	SMBJ85A	SMBJ85A-13-F
SMAJ85CA	SMAJ85CA-13-F	SMBJ22CA	SMBJ22CA-13-F	SMBJ85CA	SMBJ85CA-13-F
SMAJ90A	SMAJ90A-13-F	SMBJ24A	SMBJ24A-13-F	SMBJ90A	SMBJ90A-13-F
SMAJ90CA	SMAJ90CA-13-F	SMBJ24CA	SMBJ24CA-13-F	SMBJ90CA	SMBJ90CA-13-F



**Table 1 Cont. - Lite-On Semiconductor (LSC) EOL Devices With Replacement Parts And With No Life-time Buy Opportunity**

LSC Part Number (MPN)	Diodes Recommended Replacement Part Number	LSC Part Number (MPN)	Diodes Recommended Replacement Part Number	LSC Part Number (MPN)	Diodes Recommended Replacement Part Number
SMCJ100A	SMCJ100A-13-F	SMCJ170A	SMCJ170A-13-F	SMCJ43CA	SMCJ43CA-13-F
SMCJ100CA	SMCJ100CA-13-F	SMCJ170CA	SMCJ170CA-13-F	SMCJ45A	SMCJ45A-13-F
SMCJ10A	SMCJ10A-13-F	SMCJ17A	SMCJ17A-13-F	SMCJ45CA	SMCJ45CA-13-F
SMCJ10CA	SMCJ10CA-13-F	SMCJ17CA	SMCJ17CA-13-F	SMCJ48A	SMCJ48A-13-F
SMCJ110A	SMCJ110A-13-F	SMCJ18A	SMCJ18A-13-F	SMCJ48CA	SMCJ48CA-13-F
SMCJ110CA	SMCJ110CA-13-F	SMCJ18CA	SMCJ18CA-13-F	SMCJ51A	SMCJ51A-13-F
SMCJ11A	SMCJ11A-13-F	SMCJ20A	SMCJ20A-13-F	SMCJ51CA	SMCJ51CA-13-F
SMCJ11CA	SMCJ11CA-13-F	SMCJ20CA	SMCJ20CA-13-F	SMCJ54A	SMCJ54A-13-F
SMCJ120A	SMCJ120A-13-F	SMCJ22A	SMCJ22A-13-F	SMCJ54CA	SMCJ54CA-13-F
SMCJ120CA	SMCJ120CA-13-F	SMCJ22CA	SMCJ22CA-13-F	SMCJ58A	SMCJ58A-13-F
SMCJ12A	SMCJ12A-13-F	SMCJ24A	SMCJ24A-13-F	SMCJ58CA	SMCJ58CA-13-F
SMCJ12CA	SMCJ12CA-13-F	SMCJ24CA	SMCJ24CA-13-F	SMCJ60A	SMCJ60A-13-F
SMCJ130A	SMCJ130A-13-F	SMCJ26A	SMCJ26A-13-F	SMCJ60CA	SMCJ60CA-13-F
SMCJ130CA	SMCJ130CA-13-F	SMCJ26CA	SMCJ26CA-13-F	SMCJ64A	SMCJ64A-13-F
SMCJ13A	SMCJ13A-13-F	SMCJ28A	SMCJ28A-13-F	SMCJ64CA	SMCJ64CA-13-F
SMCJ13CA	SMCJ13CA-13-F	SMCJ28CA	SMCJ28CA-13-F	SMCJ70A	SMCJ70A-13-F
SMCJ14A	SMCJ14A-13-F	SMCJ30A	SMCJ30A-13-F	SMCJ70CA	SMCJ70CA-13-F
SMCJ14CA	SMCJ14CA-13-F	SMCJ30CA	SMCJ30CA-13-F	SMCJ75A	SMCJ75A-13-F
SMCJ150A	SMCJ150A-13-F	SMCJ33A	SMCJ33A-13-F	SMCJ75CA	SMCJ75CA-13-F
SMCJ150CA	SMCJ150CA-13-F	SMCJ33CA	SMCJ33CA-13-F	SMCJ78A	SMCJ78A-13-F
SMCJ15A	SMCJ15A-13-F	SMCJ36A	SMCJ36A-13-F	SMCJ78CA	SMCJ78CA-13-F
SMCJ15CA	SMCJ15CA-13-F	SMCJ36CA	SMCJ36CA-13-F	SMCJ85A	SMCJ85A-13-F
SMCJ160A	SMCJ160A-13-F	SMCJ40A	SMCJ40A-13-F	SMCJ85CA	SMCJ85CA-13-F
SMCJ160CA	SMCJ160CA-13-F	SMCJ40CA	SMCJ40CA-13-F	SMCJ90A	SMCJ90A-13-F
SMCJ16A	SMCJ16A-13-F	SMCJ43A	SMCJ43A-13-F	SMCJ90CA	SMCJ90CA-13-F
SMCJ16CA	SMCJ16CA-13-F	SMCJ43CA	SMCJ43CA-13-F		

Note 1: All part numbers to be discontinued are Lite-On Semiconductor (LSC) brand part numbers. No Diodes Incorporated brand part numbers will be discontinued.

Note 2: Recommended replacement part numbers are active Diodes Incorporated brand part numbers.

Note 3: For compatibility of recommended Diodes Incorporated brand replacement parts, please refer to the corresponding published Diodes product data sheets.

**Appendix A: Product Data Sheet Specification Comparison Summary Table between Lite-On Semiconductor (LSC) brand EOL Devices and Diodes Incorporated Brand Recommended Replacement Parts**

Part Number Series		Peak Pulse Power Dissipation (W)		Steady State Power Dissipation (W)				Instantaneous Forward Voltage (V) (unidirectional only)				Breakdown Voltage $V_{BR}$ (V)		Max Reverse Leakage Current $I_R$ @ $V_{RWM}$ ( $\mu$ A) (Note 4)		Max Operating Temperature $T_J(max)$ ( $^{\circ}$ C)	
				Spec	@ TL ( $^{\circ}$ C)	Spec	@ TL ( $^{\circ}$ C)	Spec	@ IPP (A)	Spec	@ IPP (A)						
LSC (MPN)	Diodes Replacement	LSC (MPN)	Diodes Replacement	LSC (MPN)	LSC (MPN)	Diodes Replacement	Diodes Replacement	LSC (MPN)	LSC (MPN)	Diodes Replacement	Diodes Replacement	LSC (MPN)	Diodes Replacement	LSC (MPN)	Diodes Replacement	LSC (MPN)	Diodes Replacement
SMAJxx(C)A	SMAJxx(C)A-13-F	400	400	1	120	1	75	3	16	3.5	35	see spec	same, see spec	0.5	5	175	150
SMBJxx(C)A	SMBJxx(C)A-13-F	600	600	1.5	120	5	75	2.5	16	3.5	35	see spec	VBR (min) is same, VBR (max) is different. See spec.	0.5	5	175	150
SMCJxx(C)A	SMCJxx(C)A-13-F	1500	1500	2	120	5	75	2	16	3.5	100	see spec	same, see spec	0.5	5	175	150
3.0SMCJxx(C)A	3.0SMCJxx(C)A-13	3000	3000	2	120	5	75	N/A	N/A	N/A	N/A	see spec	same, see spec	2	5	175	150

Note 4: For each of the four part number series above, the Lite-On Semiconductor (LSC) brand and Diodes Incorporated brand devices with the 10V breakdown voltage rating, both have a max IR spec of 5uA.