



130 W Cochran St, Unit B
Simi Valley, CA 93065
Tel: 818-701-4933

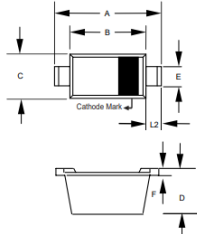
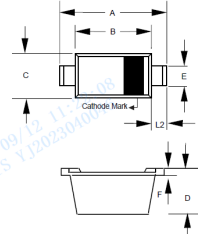
Process Change Notification (PCN)

Notification number:	092425-1
Notification date:	24 Sep 2025
Proposed implementation date:	24 Dec 2025
Product type affected:	Please refer to table 1 in Appendix 1.
Change Category	Additional new 2nd source for SOD-923
Change Classification	Major
Change description:	To ensure the ability to continue business operation, it has determined with 2nd source (Dual) in case of unforeseen event interruption. Remark: Full electrical characterization and high reliability testing has been completed to ensure there is no change to device functionality or electrical specifications in the datasheet. POD change refer to page 2.
Reason for change:	To support increasing market demand and supply continuity.
Deposition of old product	Existing inventory will ship until depleted.
Identification of Changed product:	Identify the change based on Lot NO & DC
Contact person:	Please contact your respective Account manager (AM) / Inside sales representative (ISR/CSR) if you have further query.
Approved by:	TH Koay (Director of Product) Steve Zhang (Director of Supply Chain) Seaman Wu (Director of Quality) Pamela Cheng (GM & EVP of Sales)

Appendix 1: 2nd source of SOD-923 Package

No.	Product type	Package type/code
1	RB520CS-30-TP	SOD-923
2	RB521CS-30-TP	SOD-923
3	ESDLC5V0D9-TP	SOD-923
4	ESDLC5V0D9B-TP	SOD-923
5	ESDLC5V0D9L-TP	SOD-923

Table1: SOD-923 Package Comparison

Package type	Old source	New source																																																																																																																				
SOD-923																																																																																																																						
	<table><tr><th colspan="6">DIMENSIONS</th></tr><tr><th rowspan="2">DIM</th><th colspan="2">INCHES</th><th colspan="2">MM</th><th rowspan="2">NOTE</th></tr><tr><th>MIN</th><th>MAX</th><th>MIN</th><th>MAX</th></tr><tr><td>A</td><td>0.037</td><td>0.041</td><td>0.95</td><td>1.05</td><td></td></tr><tr><td>B</td><td>0.030</td><td>0.033</td><td>0.75</td><td>0.85</td><td></td></tr><tr><td>C</td><td>0.022</td><td>0.026</td><td>0.55</td><td>0.65</td><td></td></tr><tr><td>D</td><td>0.014</td><td>0.017</td><td>0.36</td><td>0.43</td><td></td></tr><tr><td>E</td><td>0.006</td><td>0.010</td><td>0.15</td><td>0.25</td><td></td></tr><tr><td>F</td><td>0.003</td><td>0.007</td><td>0.07</td><td>0.17</td><td></td></tr><tr><td>L2</td><td>0.002</td><td>0.006</td><td>0.05</td><td>0.15</td><td></td></tr></table>	DIMENSIONS						DIM	INCHES		MM		NOTE	MIN	MAX	MIN	MAX	A	0.037	0.041	0.95	1.05		B	0.030	0.033	0.75	0.85		C	0.022	0.026	0.55	0.65		D	0.014	0.017	0.36	0.43		E	0.006	0.010	0.15	0.25		F	0.003	0.007	0.07	0.17		L2	0.002	0.006	0.05	0.15		<table><tr><th colspan="6">DIMENSIONS</th></tr><tr><th rowspan="2">DIM</th><th colspan="2">INCHES</th><th colspan="2">MM</th><th rowspan="2">NOTE</th></tr><tr><th>MIN</th><th>MAX</th><th>MIN</th><th>MAX</th></tr><tr><td>A</td><td>0.037</td><td>0.041</td><td>0.95</td><td>1.05</td><td></td></tr><tr><td>B</td><td>0.030</td><td>0.033</td><td>0.75</td><td>0.85</td><td></td></tr><tr><td>C</td><td>0.022</td><td>0.026</td><td>0.55</td><td>0.65</td><td></td></tr><tr><td>D</td><td>0.014</td><td>0.021</td><td>0.36</td><td>0.52</td><td></td></tr><tr><td>E</td><td>0.006</td><td>0.010</td><td>0.15</td><td>0.25</td><td></td></tr><tr><td>F</td><td>0.003</td><td>0.007</td><td>0.07</td><td>0.17</td><td></td></tr><tr><td>L2</td><td>0.002</td><td>0.006</td><td>0.05</td><td>0.15</td><td></td></tr></table>	DIMENSIONS						DIM	INCHES		MM		NOTE	MIN	MAX	MIN	MAX	A	0.037	0.041	0.95	1.05		B	0.030	0.033	0.75	0.85		C	0.022	0.026	0.55	0.65		D	0.014	0.021	0.36	0.52		E	0.006	0.010	0.15	0.25		F	0.003	0.007	0.07	0.17		L2	0.002	0.006	0.05	0.15	
	DIMENSIONS																																																																																																																					
DIM	INCHES		MM		NOTE																																																																																																																	
	MIN	MAX	MIN	MAX																																																																																																																		
A	0.037	0.041	0.95	1.05																																																																																																																		
B	0.030	0.033	0.75	0.85																																																																																																																		
C	0.022	0.026	0.55	0.65																																																																																																																		
D	0.014	0.017	0.36	0.43																																																																																																																		
E	0.006	0.010	0.15	0.25																																																																																																																		
F	0.003	0.007	0.07	0.17																																																																																																																		
L2	0.002	0.006	0.05	0.15																																																																																																																		
DIMENSIONS																																																																																																																						
DIM	INCHES		MM		NOTE																																																																																																																	
	MIN	MAX	MIN	MAX																																																																																																																		
A	0.037	0.041	0.95	1.05																																																																																																																		
B	0.030	0.033	0.75	0.85																																																																																																																		
C	0.022	0.026	0.55	0.65																																																																																																																		
D	0.014	0.021	0.36	0.52																																																																																																																		
E	0.006	0.010	0.15	0.25																																																																																																																		
F	0.003	0.007	0.07	0.17																																																																																																																		
L2	0.002	0.006	0.05	0.15																																																																																																																		
	  	  																																																																																																																				

Summary:

The typical value of dimension D has changed from 0.417mm to 0.428mm. Therefore, the maximum value of dimension D has been relaxed to 0.52mm. All other POD dimension data meet the specification.



130 W Cochran St, Unit B

Simi Valley, CA 93065

Tel:818-701-4933

Date: 24 Sep 2025

PCN #: 092425-1

PCN Title: Additional new 2nd source for SOD-923

Dear Customer.

This is a PCN announcement to the above-mentioned product which is/are offered by Micro Commercial Components Corp (MCC). We would appreciate your acknowledgement of receipt of this notification within 30 days of the date of this PCN to your local ISR, sales representative.

Please refer to the attached document for more information (including implementation date / product date code of this change). If you have any questions or concerns related to this PCN, please contact your local sales representative / ISR for support. *Sincerely, MCC PCN Team*

Thank you.

Yours sincerely,

PCN Team



130 W Cochran St, Unit B
Simi Valley, CA 93065
Tel:818-701-4933

Reliability Report

Representative Part Number: ESDLC5V0D9-TP

Date: 2025-09-04

Test Results : PASS

Test Item	Conditions	Duration	Quantity	Rejects
TEST Pre- and Post-Stress Electrical Test	T _a = 25 °C	N/A	all parts	see below
* Pre-conditioning for MSL 1	JESD22A-113 1.Temperature Cycling:-40 °C ~ 60 °C , 2.Bake:125 °C , 3.Moisture Soak:85 °C , 8 5%RH for MSL1; 4.Reflow*3Cycles:260 °C	5Cycles; 24 hours; 192hours 3Cycles	308Pcs	0
HTRB High Temperature Reverse Bias	MIL-STD-750 Method 1038 T _j = T _{jmax} , 100% VR	1000 hours	77Pcs	0
TC Temperature Cycling	JESD22-A104 -55 °C (+0,-10)/15Min~ 150(+15,-0)/15Min,	1000Cycles (500hours)	77Pcs	0
AC Autoclave	JESD22-A102 T _a = 121 °C±2 °C , RH = 100 % , 15psig	96 hours	77Pcs	0
H3TRB High Humidity High Temperature Reverse Bias	JESD22-A101 T _a = 85 °C±2 °C , RH = 85%±5% , 100 % VR (VR MAX=100V)	1000 hours	77Pcs	0
RSB Resistance to Solder Heat	JESD22-B106 260 °C (+5 , -0)	10 s	30Pcs	0
SD Solderability	J-STD-002 235 °C ± 5 °C	3 s	10Pcs	0
IOL Intermittent Operational Life	MIL-STD-750 Method 1037 ▲T _j ≥ 100 °C ,2min ON/2min OFF	15000Cycles	77Pcs	0

Remark : detail MSL of product refer to data sheet on MCC website.