


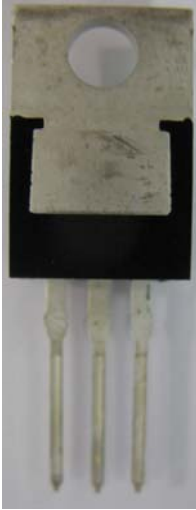


Product/Process Change Notification

PCN#	Effective Date	Issue Date
2021-04-21C-01	2021/7/21	2021/4/21
PCN Classification	Product Category	
Major	Schottky Diode	
Subject		
Add second assembly house		
Affected Product(s)		
SBL30U60-C. SBR2045.SBR30200R. SBL20U150-C. SBL30U100-C. SBL30U150-C. SBR20200.		
Description of Change(s)		
In order to meet market demand and improve product production efficiency, we add second assembly house.		
Content of Change(s)		
Assembly house.		
Impact(s)		
None		
Attachment(s)		
Reliability report.		

Approval		
Issue by	Alice Lai	e-mail: alice@secosgmbh.com
Development Engineer		Alice Lai
QA Manager		Peter Yang
General Manger		Mathew Liu
Customer Approval		
Customer's Comment		
Customer's Consent with Signature		

Exterior comparison Chart	
Original assembly house	News assembly house
 <p>Top View</p>	 <p>Top View</p>
 <p>Back View</p>	 <p>Back View</p>



Reliability Testing Summary Report

Date: 2021/04/19

Document No.: SO21-04-L20U150

Test Item	P/N	Test Condition	(LTPD)	Sample Numbers	Allow Fall Numbers	Fall Numbers	Result
HTRB High Temp Reverse Bias	SBL20U150-C	100 ± 5°C, 100% VR, T = 1000hrs		77	0	0	ACC
HTSL High Temperature Storage Life	SBL20U150-C	150°C, T = 1000 hrs		77	0	0	ACC
PCT Pressure Cooker Test	SBL20U150-C	121°C, 29.7PSIG, 168 hrs		77	0	0	ACC
TCT Temperature Cycle Test	SBL20U150-C	-55°C/30min, 150°C/30min, For 1000 Cycle		77	0	0	ACC
THT High Temperature High Humidity Test	SBL20U150-C	85 ± 2°C, RH=85±5%, 1000 hrs		77	0	0	ACC
H3TRB High Temper High Humidity Reverse Bies Test	SBL20U150-C	85 ± 2°C, RH=85±5%, 1000 hrs		77	0	0	ACC
Resistance to Solder Heat Test	SBL20U150-C	270±5°C, 7Sec +2/-0 Sec		10	0	0	ACC

Judgment:

qualified unqualified

Testing Start Date: 2021.02.17 Testing End Date: 2021.04.19

Tester: King Huang Approval: Peter Yang



Electrical Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 25°C

Test Date: 2021.02.17

Test Standard : Specifications

Operator: Leo Hsia

Test Result: PASS

No	VF (mV)	VBR (V)	IR (uA)
1	828.4mV	197.7V	2.504uA
2	816.0mV	199.7V	2.009uA
3	815.4mV	198.2V	2.563uA
4	827.0mV	199.9V	2.325uA
5	823.1mV	197.5V	2.008uA
6	823.1mV	198.6V	1.940uA
7	826.5mV	197.2V	2.247uA
8	828.2mV	197.6V	1.974uA
9	828.9mV	199.4V	2.367uA
10	823.4mV	199.4V	2.246uA
11	821.8mV	197.4V	2.259uA
12	825.9mV	199.8V	2.353uA
13	823.5mV	197.7V	2.551uA
14	825.0mV	198.1V	2.176uA
15	823.1mV	197.5V	2.551uA
16	825.8mV	197.7V	2.283uA
17	830.7mV	199.7V	2.108uA
18	815.5mV	197.4V	2.439uA
19	815.7mV	197.1V	2.345uA
20	829.4mV	197.1V	2.360uA
21	817.1mV	198.8V	2.012uA
22	827.0mV	197.1V	2.508uA
23	826.7mV	199.1V	2.332uA
24	826.6mV	197.5V	2.052uA
25	830.7mV	197.8V	2.352uA
26	823.1mV	198.2V	2.363uA
27	816.3mV	198.4V	2.318uA
28	822.7mV	197.4V	2.051uA
29	829.7mV	198.0V	2.116uA
30	829.6mV	198.9V	2.262uA
31	817.1mV	198.9V	2.240uA
32	830.5mV	198.0V	2.051uA
33	817.3mV	198.5V	2.263uA
34	823.2mV	199.1V	2.104uA
35	820.4mV	197.4V	2.185uA
36	824.3mV	198.5V	2.171uA
37	827.9mV	197.2V	2.160uA
38	823.2mV	199.1V	2.326uA
39	823.4mV	198.7V	2.011uA
40	816.3mV	199.6V	2.026uA
41	830.1mV	199.0V	2.524uA
42	829.7mV	198.5V	2.466uA



Electrical Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 25°C

Test Date: 2021.02.17

Test Standard : Specifications

Operator: Leo Hsia

Test Result: PASS

No	VF (mV)	VBR (V)	IR (uA)
43	825.6mV	197.5V	2.186uA
44	820.2mV	198.4V	2.452uA
45	824.0mV	198.7V	2.336uA
46	821.6mV	198.7V	2.529uA
47	826.0mV	199.7V	2.436uA
48	815.6mV	198.1V	2.470uA
49	820.3mV	199.6V	2.190uA
50	818.8mV	197.2V	2.411uA
51	829.9mV	198.3V	2.430uA
52	829.5mV	197.6V	2.024uA
53	830.5mV	199.2V	2.550uA
54	829.5mV	199.5V	2.500uA
55	823.3mV	198.5V	2.355uA
56	829.4mV	198.8V	2.292uA
57	822.5mV	197.3V	2.270uA
58	828.6mV	198.8V	2.321uA
59	824.9mV	197.2V	2.280uA
60	816.5mV	198.9V	2.517uA
61	825.3mV	199.6V	2.190uA
62	818.9mV	197.2V	2.022uA
63	817.2mV	199.8V	2.488uA
64	815.9mV	199.4V	2.473uA
65	830.7mV	198.2V	2.425uA
66	825.3mV	197.1V	2.084uA
67	824.7mV	197.9V	1.982uA
68	829.8mV	197.2V	2.488uA
69	818.5mV	199.1V	2.331uA
70	826.9mV	199.0V	2.452uA
71	821.7mV	199.1V	2.336uA
72	829.9mV	199.5V	2.017uA
73	830.9mV	198.8V	2.476uA
74	822.9mV	198.5V	2.479uA
75	818.6mV	197.4V	2.144uA
76	819.2mV	199.7V	2.196uA
77	828.0mV	197.2V	1.945uA

Made By: King Huang

Approval: Peter Yang



SeCoS Corporation

High Temperature Reverse Bias Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 100 ± 5°C, 100% VR, T = 1000 hrs

Test Date: 2021.02.17 ~ 2021.04.01

Test Standard : JESD22 STANDER Method-A108

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
1	825.3mV	197.6V	2.20uA	829.1mV	199.5V	2.19uA
2	821.0mV	197.5V	2.06uA	824.2mV	198.2V	2.44uA
3	829.0mV	197.0V	2.10uA	830.4mV	199.1V	2.51uA
4	822.7mV	199.7V	2.35uA	830.1mV	198.7V	2.38uA
5	822.3mV	198.7V	2.23uA	817.8mV	199.8V	2.32uA
6	820.8mV	197.3V	2.43uA	817.7mV	197.6V	2.32uA
7	830.6mV	198.4V	2.48uA	830.7mV	197.9V	2.34uA
8	816.9mV	199.3V	2.00uA	822.4mV	199.8V	2.39uA
9	815.9mV	199.4V	1.95uA	820.8mV	199.7V	2.35uA
10	829.9mV	199.1V	2.04uA	824.6mV	198.2V	2.07uA
11	827.7mV	198.5V	2.22uA	826.5mV	199.2V	2.26uA
12	826.1mV	197.2V	2.12uA	827.5mV	198.7V	2.35uA
13	825.3mV	197.3V	2.24uA	817.0mV	198.1V	2.34uA
14	827.1mV	197.6V	2.28uA	824.0mV	198.9V	2.49uA
15	830.8mV	198.5V	2.44uA	822.6mV	199.2V	2.27uA
16	822.7mV	198.1V	2.54uA	820.6mV	199.1V	2.30uA
17	821.0mV	198.7V	2.32uA	815.2mV	198.2V	2.28uA
18	822.1mV	197.0V	2.06uA	829.1mV	198.3V	2.12uA
19	822.4mV	199.6V	1.94uA	829.2mV	198.2V	2.37uA
20	822.3mV	198.9V	2.53uA	826.8mV	198.0V	2.04uA
21	820.2mV	198.0V	2.16uA	827.3mV	198.6V	2.05uA
22	826.2mV	199.6V	2.39uA	818.2mV	198.2V	2.14uA
23	824.0mV	198.8V	2.56uA	825.2mV	198.1V	1.97uA
24	819.4mV	199.7V	2.20uA	824.9mV	197.4V	2.50uA
25	821.7mV	199.0V	2.42uA	824.2mV	198.6V	1.96uA
26	816.8mV	197.2V	2.14uA	824.0mV	199.6V	2.19uA
27	826.7mV	198.4V	2.03uA	820.8mV	199.4V	2.30uA
28	829.2mV	199.7V	2.29uA	828.5mV	198.6V	2.33uA
29	826.0mV	198.6V	2.45uA	828.0mV	197.8V	1.94uA
30	823.1mV	198.8V	2.46uA	828.6mV	197.6V	2.48uA
31	821.0mV	198.7V	2.13uA	823.8mV	197.6V	2.51uA
32	827.0mV	199.8V	2.03uA	822.9mV	197.9V	2.22uA
33	825.7mV	197.2V	2.01uA	830.1mV	199.1V	2.07uA
34	828.3mV	197.1V	2.02uA	828.3mV	199.3V	2.43uA
35	820.0mV	197.5V	1.96uA	827.0mV	199.3V	2.30uA
36	824.3mV	199.8V	2.27uA	815.8mV	197.6V	2.19uA
37	818.7mV	199.4V	2.36uA	815.7mV	199.4V	2.26uA
38	831.0mV	198.8V	1.99uA	818.8mV	197.1V	2.55uA
39	821.9mV	197.3V	2.33uA	823.8mV	199.8V	2.16uA
40	815.3mV	198.1V	2.40uA	823.4mV	199.3V	2.43uA



SeCoS Corporation

High Temperature Reverse Bias Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 100 ± 5°C, 100% VR, T = 1000 hrs

Test Date: 2021.02.17 ~ 2021.04.01

Test Standard : JESD22 STANDER Method-A108

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
41	820.3mV	199.3V	2.09uA	826.2mV	198.6V	2.00uA
42	816.7mV	198.3V	2.03uA	823.2mV	198.3V	2.00uA
43	815.3mV	199.0V	2.05uA	825.4mV	197.6V	2.42uA
44	829.0mV	197.7V	2.53uA	815.7mV	198.7V	2.24uA
45	823.7mV	199.8V	2.03uA	817.6mV	198.8V	2.20uA
46	827.8mV	197.9V	2.52uA	829.5mV	197.9V	2.35uA
47	819.4mV	199.5V	2.44uA	818.5mV	197.9V	1.97uA
48	826.7mV	199.0V	2.38uA	826.5mV	197.5V	2.31uA
49	821.3mV	197.1V	2.09uA	820.8mV	199.8V	2.36uA
50	822.9mV	199.1V	2.20uA	819.6mV	198.8V	2.36uA
51	830.4mV	197.5V	2.23uA	815.4mV	197.1V	2.44uA
52	826.3mV	198.9V	1.94uA	817.0mV	198.3V	2.54uA
53	830.7mV	197.8V	2.38uA	818.6mV	199.9V	2.10uA
54	820.0mV	199.6V	2.43uA	817.9mV	198.4V	2.17uA
55	831.0mV	199.7V	2.42uA	817.5mV	198.0V	2.28uA
56	817.4mV	199.4V	1.98uA	818.6mV	198.1V	2.31uA
57	821.2mV	198.8V	2.16uA	825.9mV	198.8V	2.00uA
58	817.0mV	197.7V	2.07uA	829.1mV	197.5V	2.37uA
59	826.6mV	199.7V	2.56uA	819.6mV	199.7V	2.16uA
60	826.7mV	197.6V	2.12uA	828.7mV	197.2V	2.04uA
61	816.9mV	199.9V	2.27uA	828.6mV	197.8V	2.43uA
62	818.8mV	198.3V	2.39uA	821.0mV	197.9V	2.18uA
63	823.4mV	199.5V	2.21uA	830.4mV	197.1V	2.28uA
64	815.1mV	197.2V	2.17uA	816.8mV	197.9V	1.95uA
65	816.3mV	199.3V	2.56uA	824.3mV	199.9V	2.27uA
66	822.6mV	197.6V	2.41uA	821.7mV	199.1V	2.21uA
67	830.8mV	197.4V	2.05uA	825.8mV	198.5V	2.32uA
68	821.3mV	199.2V	2.32uA	821.9mV	198.6V	2.02uA
69	827.3mV	199.6V	2.55uA	830.4mV	197.0V	2.12uA
70	816.0mV	198.5V	2.04uA	816.7mV	197.1V	1.95uA
71	823.6mV	198.2V	1.96uA	824.5mV	198.7V	1.95uA
72	823.2mV	197.5V	2.07uA	822.4mV	197.4V	2.44uA
73	815.0mV	198.4V	2.35uA	820.5mV	197.1V	2.26uA
74	830.5mV	198.3V	2.48uA	830.0mV	198.0V	2.41uA
75	830.4mV	197.8V	2.09uA	828.3mV	199.9V	2.43uA
76	816.0mV	198.3V	2.09uA	817.8mV	198.4V	2.12uA
77	827.2mV	197.1V	2.15uA	824.5mV	199.7V	2.48uA

Made By: King Huang

Approval: Peter Yang



SeCoS Corporation

High Temperature Storage Life Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 150°C, T = 1000 hrs

Test Date: 2021.02.17 ~ 2021.04.01

Test Standard : JESD22 STANDER Method-A103

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
1	830.6mV	197.5V	2.29uA	827.8mV	199.5V	2.19uA
2	823.9mV	197.9V	2.55uA	828.6mV	199.7V	2.40uA
3	830.2mV	199.3V	2.01uA	819.1mV	197.5V	2.53uA
4	816.8mV	198.6V	2.42uA	830.2mV	199.1V	2.21uA
5	819.1mV	199.4V	2.25uA	820.8mV	197.6V	2.42uA
6	830.1mV	199.6V	2.31uA	817.9mV	199.5V	2.22uA
7	825.9mV	199.6V	2.33uA	824.3mV	199.0V	2.38uA
8	820.3mV	199.5V	2.48uA	824.1mV	198.3V	2.25uA
9	819.8mV	199.6V	2.07uA	815.9mV	198.3V	2.27uA
10	819.6mV	198.7V	2.50uA	824.9mV	199.5V	2.36uA
11	827.7mV	197.5V	2.08uA	828.1mV	197.9V	2.18uA
12	816.9mV	199.0V	2.01uA	817.8mV	198.4V	2.10uA
13	827.4mV	197.3V	2.54uA	816.7mV	197.4V	2.50uA
14	828.9mV	197.8V	2.54uA	825.3mV	199.6V	2.07uA
15	827.2mV	199.8V	2.42uA	821.7mV	197.5V	2.17uA
16	820.3mV	197.2V	2.47uA	823.9mV	198.0V	1.98uA
17	826.7mV	198.7V	2.31uA	816.7mV	198.8V	2.09uA
18	817.0mV	198.5V	2.47uA	820.5mV	199.8V	2.22uA
19	820.7mV	197.8V	2.08uA	825.0mV	198.6V	2.03uA
20	818.0mV	197.5V	2.51uA	821.7mV	198.3V	2.05uA
21	824.3mV	197.6V	2.22uA	829.6mV	197.2V	2.11uA
22	823.8mV	198.0V	2.18uA	830.6mV	197.6V	1.99uA
23	818.0mV	198.5V	2.44uA	824.0mV	197.7V	2.51uA
24	827.8mV	199.5V	2.15uA	821.3mV	198.3V	2.02uA
25	817.8mV	197.4V	2.28uA	820.4mV	197.0V	2.17uA
26	830.6mV	199.2V	2.29uA	825.1mV	198.4V	2.31uA
27	822.6mV	199.6V	2.47uA	828.3mV	198.8V	2.01uA
28	824.3mV	198.3V	2.51uA	829.8mV	198.4V	2.10uA
29	816.1mV	197.1V	2.19uA	816.5mV	199.5V	2.04uA
30	823.1mV	198.9V	1.98uA	828.7mV	199.9V	2.28uA
31	827.8mV	197.2V	2.05uA	824.4mV	197.5V	2.12uA
32	826.7mV	198.3V	2.10uA	815.9mV	198.2V	2.51uA
33	820.5mV	198.9V	2.55uA	819.7mV	197.6V	2.46uA
34	817.1mV	199.7V	2.37uA	830.4mV	198.2V	2.53uA
35	830.6mV	198.1V	2.47uA	818.1mV	198.5V	2.36uA
36	820.4mV	198.2V	2.49uA	821.7mV	199.7V	2.53uA
37	823.2mV	197.8V	2.24uA	817.4mV	197.9V	2.19uA
38	827.9mV	199.4V	1.96uA	824.8mV	199.9V	2.14uA
39	827.7mV	199.9V	2.51uA	822.4mV	199.0V	2.32uA
40	830.2mV	198.1V	2.17uA	816.9mV	198.3V	2.39uA



SeCoS Corporation

High Temperature Storage Life Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 150°C, T = 1000 hrs

Test Date: 2021.02.17 ~ 2021.04.01

Test Standard : JESD22 STANDER Method-A103

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
41	829.5mV	197.4V	2.17uA	819.3mV	197.2V	2.04uA
42	828.4mV	197.4V	2.27uA	820.9mV	199.3V	2.52uA
43	817.2mV	198.6V	2.22uA	818.6mV	199.6V	2.11uA
44	822.0mV	198.2V	2.15uA	817.9mV	199.3V	2.01uA
45	828.1mV	199.2V	2.13uA	829.8mV	197.9V	2.03uA
46	825.2mV	199.3V	2.17uA	830.5mV	199.5V	2.30uA
47	824.8mV	197.6V	2.09uA	823.5mV	197.3V	2.22uA
48	816.3mV	199.5V	2.37uA	828.1mV	199.2V	1.99uA
49	819.6mV	197.4V	2.49uA	817.1mV	198.2V	2.05uA
50	819.3mV	197.3V	2.55uA	825.1mV	199.2V	2.39uA
51	827.7mV	197.2V	2.50uA	823.9mV	199.0V	2.25uA
52	830.8mV	198.9V	2.28uA	824.0mV	199.7V	2.35uA
53	822.0mV	199.5V	2.03uA	815.2mV	198.0V	2.43uA
54	824.3mV	198.5V	2.47uA	819.0mV	199.0V	2.38uA
55	817.9mV	197.0V	2.34uA	817.7mV	197.9V	1.97uA
56	830.5mV	197.7V	2.09uA	828.0mV	198.9V	2.23uA
57	828.3mV	199.3V	2.06uA	829.5mV	199.6V	2.38uA
58	817.3mV	199.1V	2.14uA	817.4mV	198.5V	2.15uA
59	827.5mV	197.8V	2.10uA	818.6mV	198.4V	1.98uA
60	825.8mV	198.6V	2.35uA	822.8mV	197.6V	2.25uA
61	819.2mV	199.6V	2.25uA	819.8mV	197.9V	2.20uA
62	827.0mV	199.4V	2.23uA	815.9mV	197.7V	2.10uA
63	816.1mV	198.9V	1.95uA	823.7mV	197.2V	2.30uA
64	829.6mV	197.9V	2.24uA	829.6mV	199.8V	2.41uA
65	823.2mV	198.8V	2.16uA	816.0mV	199.1V	2.55uA
66	822.6mV	197.4V	2.42uA	822.6mV	199.1V	2.30uA
67	826.5mV	197.3V	2.17uA	821.7mV	198.6V	2.42uA
68	826.6mV	197.6V	2.57uA	816.9mV	199.1V	2.56uA
69	818.7mV	198.1V	2.29uA	825.4mV	199.5V	2.47uA
70	816.8mV	198.3V	2.22uA	817.5mV	197.7V	2.02uA
71	821.3mV	198.2V	1.94uA	822.7mV	197.2V	2.22uA
72	828.3mV	199.5V	1.97uA	823.9mV	198.3V	2.03uA
73	823.3mV	198.9V	1.98uA	827.9mV	197.0V	2.53uA
74	830.1mV	199.6V	2.50uA	828.0mV	198.7V	2.36uA
75	821.5mV	197.9V	1.96uA	817.9mV	198.9V	2.19uA
76	827.9mV	199.3V	1.95uA	818.3mV	199.8V	2.44uA
77	816.8mV	197.1V	2.22uA	820.4mV	198.3V	2.08uA

Made By: King Huang

Approval: Peter Yang



SeCoS Corporation

Pressure Cooker Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 121°C, 100%RH, 29.7PSIG, 168Hrs

Test Date: 2021.02.18 ~ 2021.02.26

Test Standard : JESD22 STANDER Method-A102

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
1	824.4mV	197.6V	2.02uA	820.0mV	197.2V	2.08uA
2	822.1mV	198.4V	2.42uA	825.5mV	198.7V	2.37uA
3	827.3mV	199.6V	2.51uA	818.9mV	199.5V	1.95uA
4	816.0mV	199.8V	2.06uA	816.7mV	198.6V	2.29uA
5	816.7mV	199.3V	2.00uA	815.3mV	199.6V	2.16uA
6	820.5mV	199.8V	2.06uA	817.7mV	198.8V	2.25uA
7	828.8mV	197.0V	1.96uA	816.1mV	197.2V	2.33uA
8	816.3mV	198.6V	2.27uA	827.0mV	198.1V	1.97uA
9	818.5mV	199.7V	2.40uA	829.4mV	198.1V	2.34uA
10	828.3mV	199.6V	2.43uA	817.4mV	199.0V	2.12uA
11	826.1mV	197.1V	2.47uA	821.8mV	197.8V	2.51uA
12	820.3mV	198.1V	2.19uA	819.8mV	197.2V	2.47uA
13	816.1mV	199.2V	2.11uA	824.9mV	197.5V	2.07uA
14	828.2mV	199.7V	2.30uA	817.9mV	197.4V	2.37uA
15	823.6mV	197.6V	2.09uA	815.4mV	199.8V	1.98uA
16	820.1mV	198.0V	2.11uA	822.5mV	197.8V	2.43uA
17	816.3mV	199.0V	2.04uA	825.1mV	197.1V	2.08uA
18	816.5mV	197.8V	2.09uA	823.9mV	198.6V	2.03uA
19	829.5mV	197.5V	2.34uA	826.9mV	199.0V	1.95uA
20	826.3mV	197.8V	2.00uA	828.3mV	198.1V	2.41uA
21	826.3mV	198.3V	2.36uA	820.0mV	199.1V	2.56uA
22	829.8mV	199.2V	2.25uA	820.9mV	198.1V	2.24uA
23	828.5mV	199.6V	2.32uA	815.7mV	199.7V	2.40uA
24	830.8mV	199.4V	2.55uA	822.6mV	197.1V	2.54uA
25	819.7mV	199.2V	2.26uA	826.0mV	197.9V	2.16uA
26	816.6mV	199.7V	2.37uA	819.2mV	199.5V	2.45uA
27	829.0mV	198.3V	2.08uA	824.0mV	197.3V	1.98uA
28	826.8mV	197.1V	2.04uA	825.3mV	199.7V	1.95uA
29	819.7mV	197.0V	2.09uA	826.6mV	199.4V	1.98uA
30	826.4mV	198.7V	2.20uA	825.5mV	198.3V	2.33uA
31	821.0mV	198.0V	2.10uA	826.5mV	198.3V	2.25uA
32	828.5mV	197.2V	1.96uA	822.9mV	197.2V	2.29uA
33	819.2mV	197.2V	2.55uA	824.4mV	199.6V	2.16uA
34	820.3mV	199.5V	2.37uA	816.7mV	199.1V	2.21uA
35	816.6mV	199.5V	2.53uA	821.4mV	198.0V	2.06uA
36	826.4mV	197.5V	2.52uA	828.0mV	199.1V	2.20uA
37	830.2mV	199.4V	2.12uA	818.0mV	199.9V	2.13uA
38	816.5mV	199.1V	2.45uA	828.6mV	197.7V	2.45uA
39	816.2mV	197.0V	2.21uA	821.6mV	199.0V	2.29uA
40	829.0mV	198.0V	2.26uA	830.2mV	198.8V	2.34uA



SeCoS Corporation

Pressure Cooker Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 121°C, 100%RH, 29.7PSIG, 168Hrs

Test Date: 2021.02.18 ~ 2021.02.26

Test Standard : JESD22 STANDER Method-A102

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
41	815.2mV	198.7V	2.28uA	828.8mV	198.1V	2.17uA
42	817.4mV	199.1V	2.21uA	816.0mV	199.6V	2.51uA
43	821.0mV	198.9V	2.18uA	817.4mV	197.5V	2.56uA
44	825.1mV	197.6V	2.14uA	821.2mV	199.3V	1.98uA
45	824.8mV	197.2V	2.32uA	830.3mV	197.4V	2.44uA
46	825.9mV	197.1V	2.28uA	819.4mV	198.8V	2.32uA
47	825.0mV	199.2V	2.34uA	830.5mV	198.5V	2.03uA
48	819.3mV	199.0V	2.13uA	830.6mV	199.0V	1.99uA
49	815.2mV	199.9V	2.50uA	826.4mV	199.2V	2.07uA
50	822.7mV	199.8V	2.07uA	816.0mV	198.1V	2.40uA
51	816.3mV	199.6V	2.54uA	820.0mV	197.2V	2.13uA
52	818.8mV	197.7V	2.10uA	830.6mV	199.0V	2.05uA
53	825.5mV	198.0V	1.94uA	824.5mV	198.4V	2.39uA
54	820.8mV	199.8V	2.41uA	820.1mV	198.4V	2.25uA
55	820.0mV	197.8V	2.30uA	819.6mV	198.6V	2.04uA
56	829.1mV	199.1V	2.43uA	827.4mV	198.3V	2.13uA
57	815.3mV	198.7V	2.56uA	818.9mV	198.0V	2.43uA
58	829.5mV	198.0V	2.37uA	817.0mV	197.7V	2.21uA
59	830.0mV	199.6V	2.56uA	818.8mV	199.8V	2.17uA
60	825.4mV	197.3V	2.06uA	815.5mV	199.2V	2.22uA
61	829.7mV	197.6V	2.45uA	816.8mV	199.2V	2.09uA
62	823.9mV	198.4V	2.19uA	817.1mV	199.2V	2.52uA
63	815.8mV	199.6V	1.96uA	815.2mV	198.3V	2.55uA
64	823.7mV	198.7V	2.54uA	830.5mV	199.7V	2.53uA
65	820.5mV	197.4V	2.29uA	820.8mV	199.8V	2.44uA
66	823.3mV	198.2V	2.37uA	830.0mV	197.2V	2.14uA
67	822.6mV	199.1V	2.15uA	822.7mV	197.1V	1.98uA
68	822.6mV	197.7V	2.37uA	826.7mV	198.4V	2.01uA
69	825.0mV	197.4V	1.98uA	829.0mV	199.1V	2.24uA
70	817.0mV	197.1V	2.41uA	820.0mV	197.9V	2.22uA
71	824.1mV	199.7V	2.09uA	821.6mV	199.1V	2.31uA
72	819.9mV	199.0V	2.47uA	828.7mV	198.4V	2.39uA
73	816.1mV	197.1V	2.49uA	827.9mV	199.2V	2.28uA
74	818.8mV	198.0V	1.96uA	815.4mV	197.9V	2.22uA
75	829.6mV	199.2V	2.51uA	815.7mV	197.9V	2.18uA
76	827.1mV	198.5V	2.42uA	819.2mV	197.8V	2.48uA
77	819.9mV	199.5V	1.97uA	820.3mV	197.8V	2.55uA

Made By: King Huang

Approval: Peter Yang



SeCoS Corporation

Temperature Cycle Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: -55°C/30min, 150°C/30min, for 1000 Cycle

Test Date: 2021.02.22 ~ 2021.04.15

Test Standard : JESD22 STANDER Method-A104

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
1	824.7mV	197.0V	2.56uA	822.7mV	198.7V	2.31uA
2	822.2mV	199.2V	2.21uA	830.3mV	198.8V	1.99uA
3	830.7mV	198.7V	2.15uA	821.2mV	198.2V	2.42uA
4	824.0mV	199.2V	2.15uA	826.0mV	199.7V	2.47uA
5	819.6mV	199.6V	2.29uA	820.8mV	199.6V	2.38uA
6	828.1mV	199.6V	2.12uA	822.8mV	199.4V	2.47uA
7	821.4mV	199.4V	2.43uA	819.8mV	197.4V	2.44uA
8	822.1mV	197.3V	2.19uA	822.0mV	197.6V	2.07uA
9	828.8mV	199.0V	2.27uA	815.0mV	197.8V	1.98uA
10	823.3mV	198.1V	2.43uA	819.6mV	199.2V	2.29uA
11	829.6mV	197.3V	1.94uA	817.1mV	199.2V	2.53uA
12	815.6mV	198.1V	2.44uA	828.8mV	197.0V	2.09uA
13	826.9mV	199.7V	2.11uA	820.3mV	197.4V	2.33uA
14	816.5mV	199.8V	2.01uA	824.2mV	197.9V	2.39uA
15	820.7mV	197.5V	2.22uA	820.0mV	198.1V	2.51uA
16	815.3mV	198.4V	2.16uA	825.0mV	198.0V	2.37uA
17	829.1mV	198.1V	2.16uA	825.1mV	198.2V	1.94uA
18	820.6mV	198.7V	2.29uA	816.7mV	197.0V	2.28uA
19	820.0mV	199.2V	2.21uA	820.5mV	199.8V	1.95uA
20	826.1mV	199.7V	2.17uA	817.9mV	199.7V	2.16uA
21	818.7mV	198.3V	2.22uA	823.5mV	197.3V	2.27uA
22	825.3mV	198.5V	2.43uA	816.2mV	199.6V	2.22uA
23	824.5mV	199.1V	2.24uA	826.5mV	197.7V	1.98uA
24	823.9mV	199.4V	2.41uA	828.8mV	197.3V	2.19uA
25	816.9mV	197.8V	2.05uA	825.2mV	199.7V	2.44uA
26	820.7mV	198.2V	2.13uA	828.1mV	197.5V	2.51uA
27	815.9mV	197.6V	2.24uA	826.9mV	197.7V	2.43uA
28	822.5mV	199.5V	2.26uA	830.0mV	198.6V	2.37uA
29	822.0mV	197.2V	2.39uA	817.0mV	198.9V	2.32uA
30	828.4mV	199.6V	1.96uA	821.9mV	199.8V	2.25uA
31	829.4mV	197.4V	2.36uA	820.7mV	197.6V	2.25uA
32	825.0mV	197.0V	2.35uA	815.4mV	198.7V	2.29uA
33	816.7mV	199.3V	2.26uA	825.2mV	198.6V	2.46uA
34	823.4mV	198.4V	2.35uA	829.3mV	197.1V	2.11uA
35	827.0mV	198.6V	2.10uA	824.4mV	199.3V	2.04uA
36	824.6mV	197.6V	2.50uA	822.0mV	198.2V	2.38uA
37	824.4mV	199.7V	2.36uA	826.9mV	198.7V	2.02uA
38	826.1mV	199.5V	2.29uA	820.3mV	198.1V	2.49uA
39	825.5mV	197.3V	2.50uA	829.8mV	197.6V	2.01uA
40	825.2mV	199.5V	2.09uA	822.8mV	199.3V	2.44uA



SeCoS Corporation

Temperature Cycle Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: -55°C/30min, 150°C/30min, for 1000 Cycle

Test Date: 2021.02.22 ~ 2021.04.15

Test Standard : JESD22 STANDER Method-A104

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
41	818.8mV	197.7V	2.55uA	816.2mV	199.5V	2.36uA
42	819.4mV	197.9V	2.52uA	823.7mV	199.3V	2.06uA
43	823.4mV	199.4V	2.14uA	817.9mV	198.1V	2.35uA
44	820.1mV	198.3V	2.43uA	817.6mV	198.9V	2.19uA
45	822.1mV	197.0V	2.55uA	817.0mV	198.6V	2.00uA
46	822.9mV	199.1V	2.28uA	818.8mV	197.7V	2.54uA
47	823.4mV	197.6V	1.94uA	819.5mV	199.6V	1.95uA
48	815.9mV	199.0V	2.54uA	828.6mV	197.2V	2.43uA
49	818.9mV	199.2V	2.57uA	815.8mV	197.2V	2.37uA
50	815.9mV	198.2V	2.24uA	822.7mV	199.7V	2.10uA
51	815.9mV	197.0V	2.03uA	825.5mV	198.7V	2.30uA
52	825.6mV	197.1V	2.44uA	817.2mV	199.1V	2.07uA
53	825.0mV	197.2V	2.34uA	824.0mV	199.5V	2.26uA
54	830.5mV	198.7V	2.41uA	821.9mV	198.6V	2.12uA
55	823.8mV	198.7V	2.28uA	818.5mV	199.3V	2.06uA
56	825.0mV	199.9V	2.00uA	822.7mV	198.3V	2.10uA
57	819.2mV	198.4V	1.99uA	828.4mV	198.2V	2.37uA
58	821.8mV	197.4V	2.02uA	827.6mV	198.4V	2.08uA
59	816.3mV	197.3V	1.94uA	826.7mV	197.0V	2.23uA
60	819.9mV	199.8V	1.95uA	825.5mV	197.1V	2.16uA
61	828.7mV	197.2V	1.98uA	825.2mV	197.3V	2.09uA
62	821.1mV	199.6V	2.13uA	827.2mV	198.5V	2.09uA
63	820.5mV	199.8V	2.10uA	816.5mV	197.1V	2.46uA
64	825.5mV	199.1V	2.22uA	815.6mV	197.7V	1.96uA
65	818.3mV	199.3V	2.56uA	825.3mV	199.4V	2.43uA
66	820.7mV	199.3V	2.29uA	830.4mV	199.1V	2.57uA
67	821.8mV	199.5V	2.51uA	826.8mV	197.1V	2.53uA
68	822.0mV	198.5V	2.23uA	826.2mV	198.0V	2.36uA
69	824.7mV	199.8V	2.17uA	820.3mV	198.5V	2.24uA
70	817.6mV	198.0V	2.02uA	823.0mV	197.3V	2.46uA
71	816.7mV	199.0V	2.39uA	817.0mV	197.5V	2.37uA
72	823.6mV	197.6V	2.42uA	820.3mV	198.5V	2.04uA
73	827.7mV	197.6V	2.34uA	819.1mV	199.4V	2.37uA
74	823.2mV	197.5V	2.13uA	830.1mV	199.0V	2.30uA
75	830.3mV	197.2V	2.50uA	819.9mV	197.1V	1.94uA
76	817.9mV	198.2V	2.53uA	820.8mV	198.0V	2.27uA
77	817.7mV	198.5V	2.46uA	828.4mV	197.1V	2.01uA

Made By: King Huang

Approval: Peter Yang



SeCoS Corporation

High Temperature High Humidity Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 85±2°C , 85±5%RH, 1000Hrs

Test Date: 2021.03.04 ~ 2021.04.16

Test Standard : JESD22 STANDER Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
1	829.9mV	199.8V	2.33uA	818.1mV	197.3V	2.11uA
2	815.1mV	197.2V	2.41uA	829.0mV	198.0V	2.02uA
3	815.7mV	197.9V	2.27uA	829.5mV	197.4V	2.03uA
4	825.2mV	197.4V	1.94uA	817.1mV	198.0V	2.21uA
5	824.9mV	198.6V	1.99uA	816.1mV	197.0V	2.12uA
6	828.9mV	197.4V	2.52uA	821.0mV	197.6V	2.21uA
7	817.3mV	199.5V	2.50uA	821.6mV	197.9V	2.39uA
8	820.0mV	199.9V	2.47uA	815.4mV	199.6V	2.19uA
9	828.2mV	198.1V	2.02uA	816.0mV	199.6V	2.30uA
10	821.1mV	197.3V	2.13uA	822.4mV	198.3V	2.29uA
11	826.3mV	199.2V	1.95uA	817.4mV	199.7V	2.37uA
12	826.3mV	199.7V	2.00uA	815.3mV	199.4V	2.07uA
13	816.6mV	198.5V	2.25uA	822.0mV	198.5V	2.24uA
14	824.5mV	199.0V	2.53uA	822.3mV	199.5V	2.43uA
15	819.6mV	198.0V	2.55uA	829.9mV	198.0V	2.14uA
16	820.5mV	198.2V	2.10uA	819.2mV	199.0V	2.12uA
17	830.7mV	199.8V	2.37uA	815.6mV	197.8V	1.99uA
18	817.0mV	199.5V	2.41uA	815.2mV	197.7V	2.23uA
19	817.9mV	197.8V	1.97uA	825.4mV	199.5V	2.03uA
20	823.5mV	197.1V	2.06uA	829.5mV	197.5V	2.25uA
21	826.2mV	197.6V	2.43uA	821.2mV	199.1V	2.01uA
22	829.1mV	199.9V	2.00uA	819.7mV	197.7V	2.28uA
23	824.9mV	197.1V	2.00uA	818.2mV	199.8V	2.30uA
24	829.8mV	198.5V	2.09uA	826.6mV	199.5V	2.20uA
25	815.7mV	197.7V	2.30uA	819.1mV	198.6V	2.50uA
26	823.6mV	198.3V	2.55uA	823.8mV	197.8V	2.34uA
27	816.9mV	198.1V	2.55uA	817.5mV	197.6V	2.27uA
28	822.0mV	198.5V	2.28uA	816.8mV	197.4V	2.11uA
29	823.7mV	199.3V	2.37uA	823.2mV	197.3V	2.39uA
30	822.7mV	197.8V	2.00uA	819.4mV	199.4V	2.31uA
31	817.8mV	198.8V	2.53uA	825.7mV	197.1V	2.27uA
32	825.1mV	198.5V	2.38uA	822.3mV	199.7V	2.14uA
33	829.8mV	199.1V	2.39uA	816.1mV	197.8V	2.09uA
34	829.2mV	197.2V	2.51uA	825.6mV	198.8V	2.43uA
35	826.9mV	198.2V	2.34uA	823.7mV	199.9V	2.24uA
36	821.5mV	197.0V	1.96uA	829.1mV	199.5V	2.46uA
37	830.7mV	198.8V	2.42uA	819.1mV	197.1V	2.39uA
38	817.1mV	199.8V	2.32uA	817.8mV	198.0V	2.29uA
39	825.4mV	198.5V	2.49uA	824.1mV	198.8V	2.10uA
40	815.8mV	198.8V	2.36uA	828.0mV	197.1V	2.10uA



SeCoS Corporation

High Temperature High Humidity Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 85±2°C, 85±5%RH, 1000Hrs

Test Date: 2021.03.04 ~ 2021.04.16

Test Standard : JESD22 STANDER Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
41	819.5mV	198.9V	2.11uA	826.4mV	199.6V	2.09uA
42	819.9mV	198.1V	2.34uA	817.0mV	197.3V	2.50uA
43	827.2mV	199.9V	2.50uA	819.3mV	198.0V	2.56uA
44	827.3mV	197.7V	2.55uA	815.8mV	199.3V	2.45uA
45	815.5mV	198.1V	2.12uA	816.2mV	198.2V	2.53uA
46	817.4mV	197.8V	2.28uA	830.1mV	198.3V	2.09uA
47	827.4mV	197.5V	1.97uA	820.8mV	198.0V	2.26uA
48	818.7mV	197.6V	2.02uA	816.2mV	198.7V	2.25uA
49	828.0mV	199.0V	2.11uA	817.5mV	198.5V	2.41uA
50	819.0mV	199.1V	2.31uA	822.0mV	197.8V	2.17uA
51	828.8mV	199.3V	1.98uA	826.7mV	197.7V	2.26uA
52	827.8mV	199.1V	1.97uA	825.4mV	198.3V	2.02uA
53	820.6mV	197.8V	2.17uA	821.4mV	197.1V	2.20uA
54	826.1mV	197.7V	2.45uA	823.9mV	198.6V	1.95uA
55	827.4mV	198.7V	2.17uA	827.6mV	199.0V	2.42uA
56	816.4mV	197.9V	2.14uA	817.8mV	198.1V	2.22uA
57	830.0mV	199.1V	2.16uA	825.6mV	197.5V	2.19uA
58	823.5mV	199.7V	2.39uA	821.6mV	199.8V	2.07uA
59	821.9mV	199.3V	2.19uA	821.3mV	198.8V	2.13uA
60	815.2mV	198.1V	2.48uA	822.2mV	198.2V	2.56uA
61	815.0mV	199.8V	2.03uA	825.4mV	198.3V	2.44uA
62	827.8mV	198.0V	2.02uA	822.3mV	199.5V	2.10uA
63	830.8mV	197.6V	2.54uA	818.4mV	197.6V	2.26uA
64	815.2mV	197.9V	1.96uA	819.6mV	199.8V	2.35uA
65	818.6mV	197.8V	2.54uA	825.3mV	197.1V	2.27uA
66	827.0mV	199.7V	2.54uA	829.6mV	197.9V	2.09uA
67	830.0mV	199.8V	2.24uA	825.8mV	197.5V	2.08uA
68	825.3mV	199.4V	2.54uA	828.9mV	197.2V	2.44uA
69	830.2mV	197.1V	2.37uA	820.3mV	197.9V	2.56uA
70	816.7mV	199.7V	2.18uA	828.2mV	198.1V	2.05uA
71	829.5mV	199.5V	1.96uA	828.6mV	197.1V	2.38uA
72	823.9mV	199.0V	2.36uA	830.7mV	197.2V	2.18uA
73	822.8mV	199.2V	2.39uA	815.2mV	198.6V	2.39uA
74	821.5mV	199.0V	2.35uA	820.3mV	199.8V	2.50uA
75	819.8mV	199.1V	2.09uA	817.7mV	199.2V	2.29uA
76	829.1mV	198.4V	2.34uA	824.7mV	199.5V	2.14uA
77	823.3mV	197.1V	2.04uA	829.6mV	197.4V	2.46uA



SeCoS Corporation

High Temper High Humidity Reverse Bies Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 85±2°C , 85±5%RH, 1000Hrs

Test Date: 2021.03.05 ~ 2021.04.16

Test Standard : JESD22 STANDARD Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
1	830.8mV	198.2V	2.06uA	829.5mV	198.0V	2.04uA
2	824.1mV	199.8V	2.13uA	825.8mV	197.2V	2.41uA
3	825.0mV	199.1V	1.97uA	824.6mV	198.9V	2.04uA
4	817.4mV	198.4V	2.42uA	829.5mV	199.0V	2.23uA
5	827.2mV	197.4V	2.43uA	829.2mV	199.3V	2.24uA
6	829.8mV	199.1V	2.04uA	817.1mV	197.8V	2.17uA
7	827.6mV	198.3V	2.39uA	817.6mV	199.4V	2.43uA
8	827.8mV	198.2V	2.45uA	830.4mV	197.6V	2.32uA
9	820.3mV	197.4V	2.31uA	824.0mV	198.4V	2.52uA
10	819.3mV	198.5V	2.13uA	817.7mV	197.4V	1.94uA
11	825.7mV	197.8V	2.31uA	823.3mV	198.0V	2.26uA
12	819.5mV	197.6V	2.00uA	826.1mV	197.8V	2.27uA
13	815.8mV	197.2V	1.98uA	823.3mV	199.4V	2.18uA
14	819.4mV	197.5V	2.56uA	828.5mV	197.3V	2.27uA
15	830.1mV	198.1V	2.32uA	826.1mV	197.2V	2.23uA
16	829.9mV	197.2V	2.10uA	817.6mV	199.2V	2.14uA
17	815.3mV	197.4V	2.56uA	815.6mV	199.5V	2.51uA
18	829.5mV	197.6V	2.24uA	819.8mV	199.2V	2.21uA
19	821.9mV	198.2V	2.27uA	822.3mV	198.8V	2.46uA
20	828.1mV	197.1V	2.36uA	825.0mV	199.4V	2.40uA
21	824.7mV	199.5V	2.39uA	830.9mV	198.2V	2.54uA
22	815.4mV	197.9V	2.01uA	815.2mV	198.6V	2.28uA
23	824.2mV	199.2V	2.38uA	815.6mV	199.1V	1.95uA
24	826.9mV	199.8V	2.47uA	817.0mV	197.4V	2.35uA
25	819.9mV	197.0V	2.17uA	829.6mV	197.5V	2.11uA
26	825.9mV	198.9V	2.17uA	817.9mV	198.0V	2.38uA
27	821.3mV	197.7V	2.40uA	825.1mV	198.9V	2.46uA
28	815.2mV	199.4V	2.57uA	826.8mV	199.0V	2.28uA
29	818.3mV	198.7V	2.49uA	815.7mV	198.7V	2.35uA
30	827.7mV	197.9V	2.44uA	815.4mV	198.9V	2.15uA
31	829.4mV	197.5V	2.22uA	828.0mV	199.5V	2.35uA
32	821.5mV	198.9V	2.07uA	815.7mV	199.4V	2.39uA
33	827.8mV	198.4V	2.39uA	830.6mV	199.0V	2.45uA
34	823.3mV	197.5V	2.27uA	829.8mV	197.8V	2.22uA
35	825.7mV	199.2V	2.20uA	827.6mV	197.7V	2.41uA
36	819.8mV	198.7V	2.32uA	815.2mV	199.4V	1.97uA
37	829.3mV	199.1V	2.32uA	819.0mV	197.7V	2.32uA
38	821.6mV	197.3V	2.38uA	824.4mV	199.4V	2.36uA
39	823.0mV	198.7V	2.51uA	819.9mV	199.2V	1.96uA
40	823.5mV	197.3V	2.14uA	823.5mV	199.3V	2.26uA



SeCoS Corporation

High Temper High Humidity Reverse Bies Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 85±2°C , 85±5%RH, 1000Hrs

Test Date: 2021.03.05 ~ 2021.04.16

Test Standard : JESD22 STANDARD Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
41	816.1mV	199.7V	2.49uA	819.6mV	198.7V	2.49uA
42	821.9mV	198.7V	2.25uA	821.0mV	199.6V	2.56uA
43	819.7mV	198.0V	2.33uA	822.1mV	199.4V	2.09uA
44	816.0mV	198.8V	2.44uA	819.8mV	198.3V	2.34uA
45	816.9mV	197.7V	1.94uA	826.9mV	199.3V	2.35uA
46	817.6mV	198.3V	2.20uA	817.0mV	198.1V	2.28uA
47	828.4mV	199.2V	2.35uA	828.9mV	198.3V	2.17uA
48	828.5mV	197.9V	2.03uA	824.7mV	197.4V	1.95uA
49	816.8mV	197.7V	2.44uA	817.4mV	199.4V	2.29uA
50	829.2mV	198.5V	2.57uA	828.0mV	197.3V	2.41uA
51	828.9mV	198.8V	1.98uA	821.7mV	197.4V	2.42uA
52	816.6mV	197.4V	2.28uA	825.9mV	197.7V	2.52uA
53	821.8mV	197.1V	2.53uA	825.8mV	198.4V	2.22uA
54	816.1mV	198.2V	1.95uA	819.3mV	199.6V	2.02uA
55	823.7mV	197.5V	2.22uA	822.6mV	199.8V	2.14uA
56	823.6mV	199.6V	2.29uA	822.3mV	197.7V	2.17uA
57	824.0mV	197.4V	2.14uA	829.5mV	199.6V	1.98uA
58	817.4mV	197.9V	2.12uA	820.9mV	197.3V	2.32uA
59	820.8mV	198.9V	2.13uA	816.3mV	197.8V	2.00uA
60	828.6mV	199.0V	2.50uA	827.0mV	199.6V	2.35uA
61	826.1mV	198.2V	2.46uA	822.4mV	199.1V	2.47uA
62	820.4mV	198.3V	2.03uA	828.5mV	199.8V	2.52uA
63	823.3mV	199.0V	2.56uA	815.4mV	198.9V	2.08uA
64	822.5mV	197.8V	2.38uA	819.7mV	199.7V	2.26uA
65	829.4mV	197.6V	2.02uA	828.0mV	198.9V	2.33uA
66	827.4mV	197.6V	2.11uA	822.7mV	199.5V	2.08uA
67	826.4mV	199.2V	2.13uA	821.9mV	199.3V	2.05uA
68	815.5mV	199.8V	2.10uA	826.5mV	198.9V	2.23uA
69	828.5mV	198.4V	2.39uA	825.1mV	199.2V	2.32uA
70	825.0mV	197.1V	2.30uA	830.1mV	198.2V	2.18uA
71	824.1mV	198.8V	1.98uA	822.3mV	199.9V	2.42uA
72	823.6mV	199.2V	2.54uA	818.9mV	199.2V	2.25uA
73	816.1mV	197.5V	2.40uA	818.3mV	197.6V	2.45uA
74	830.4mV	197.3V	2.01uA	819.3mV	197.4V	2.49uA
75	824.8mV	199.3V	2.06uA	829.4mV	197.6V	2.22uA
76	817.8mV	197.7V	2.54uA	824.0mV	199.2V	2.29uA
77	816.3mV	198.4V	2.00uA	815.4mV	197.2V	2.15uA

Made By: King Huang

Approval: Peter Yang



Resistance to Solder Heat Test Data

Report No : T210419-L20U150

Part No : SBL20U150-C

Test Equipment: JUNO Test System DTS-1000

Test Condition : VF<950mV@IF=10A, VBR>150V@I1=1mA, IR<100uA@VR=150V

Test Condition: 270°C ± 5°C, 7 Sec +2/-0 Sec

Test Date: 2021.04.19

Test Standard : JESD22 STANDARD Method-B106

Operator: Leo Hsia

Test Result: PASS

No	Before			After		
	VF (mV)	VBR (V)	IR (uA)	VF (mV)	VBR (V)	IR (uA)
1	829.3mV	197.9V	2.33uA	815.2mV	197.7V	2.12uA
2	816.9mV	198.7V	2.11uA	830.7mV	198.3V	2.25uA
3	828.1mV	199.3V	2.20uA	825.3mV	199.3V	2.25uA
4	827.0mV	197.1V	2.44uA	825.9mV	198.1V	2.40uA
5	816.1mV	199.5V	2.40uA	821.5mV	198.8V	2.39uA
6	815.3mV	198.2V	2.37uA	816.8mV	197.2V	2.30uA
7	823.7mV	199.9V	2.53uA	823.6mV	198.0V	2.18uA
8	815.2mV	199.7V	2.38uA	817.8mV	197.4V	2.08uA
9	823.3mV	199.3V	1.94uA	824.6mV	197.2V	2.51uA
10	817.1mV	197.2V	2.06uA	815.1mV	199.9V	2.05uA

Made By: King Huang

Approval: Peter Yang