www.SeCosGmbH.com

Headquarter Address:
8F.No.33, Lane 155, Sec.3, Bei-Shen Rd.,
Shen Keng Dist, New Taipei City, Taiwan
TEL: +886-2-26620988
FAX: +886-2-26620488

Product/Process Change Notification

PCN#	Effective Date	Issue Date
2014-03-31C-01	2014/7/1	2014/3/31

PCN Classification	Product Category
Major	Small Single schottky

Subject
Change assembly factory for SCS495D

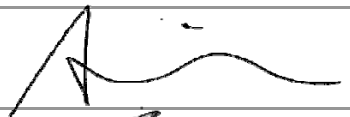
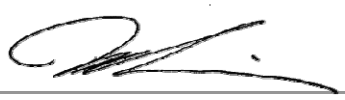
Affected Product(s)
SCS495D

Description of Change(s)
Original assembly factory EOL, thus we change assembly factory; The new assembly factory JIANGSU CHANGJIANG ELECTRONICS TECHNOLOGY CO., LTD. located in the No.275 Binjiang Rd. Jiangyin Jiangsu, China

Content of Change(s)
Assembly factory

Impact(s)
None

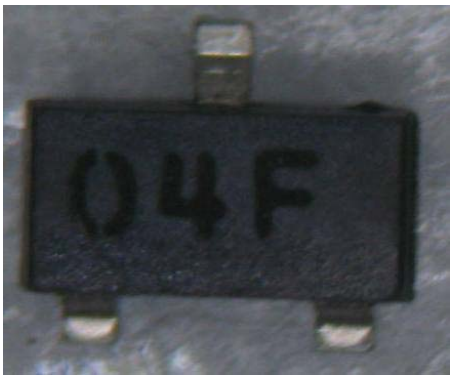
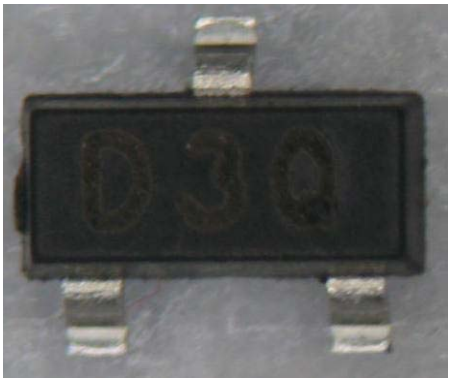
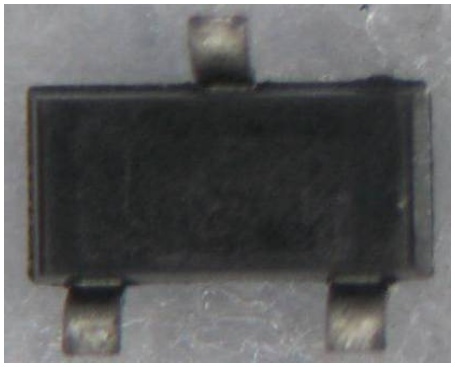
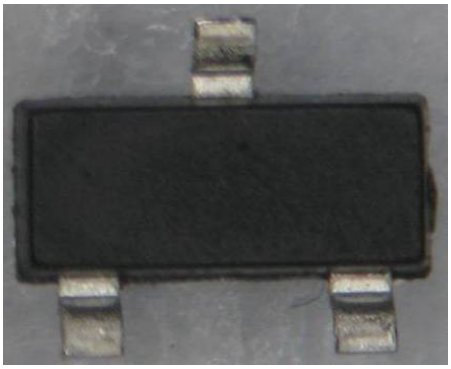
Attachment(s)
Reliability test report. Specification.

Approval		
Issue by	Alice Lai	e-mail: alice@secosgmbh.com
Development Engineer		Alice Lai
QA Manager		Peter Yang
General Manger		Mathew Liu

For more information, please contact us directly or visit our website http://www.secosgmbh.com

www.SeCosGmbH.com

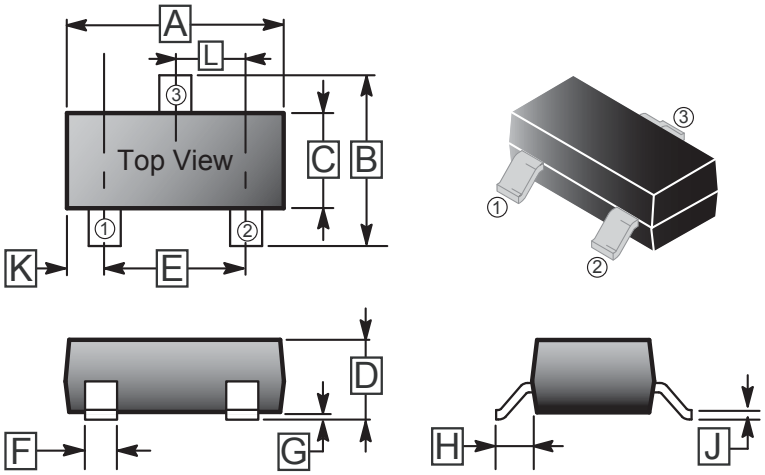
Headquarter Address:
8F.No.33, Lane 155, Sec.3, Bei-Shen Rd.,
Shen Keng Dist, New Taipei City, Taiwan
TEL: +886-2-26620988
FAX: +886-2-26620488

Exterior comparison Chart	
Original	News
 Top View	 Top View
 Rear View	 Rear View
 Reel	 Reel

www.SeCosGmbH.com

Headquarter Address:
8F.No.33, Lane 155, Sec.3, Bei-Shen Rd.,
Shen Keng Dist, New Taipei City, Taiwan
TEL: +886-2-26620988
FAX: +886-2-26620488

Exterior comparison Chart



Original

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	0.10 REF.	
B	2.25	3.00	H	0.40 REF.	
C	1.30	1.70	J	0.10	0.20
D	1.00	1.40	K	0.45	0.55
E	1.70	2.30	L	0.85	1.15
F	0.35	0.50			

News

REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	0.09	0.18
B	2.10	2.65	H	0.35	0.65
C	1.20	1.40	J	0.08	0.20
D	0.89	1.15	K	0.6 REF.	
E	1.78	2.04	L	0.95 BSC.	
F	0.30	0.50			

Elektronische Bauelemente

SCS495D

400mA , 25V

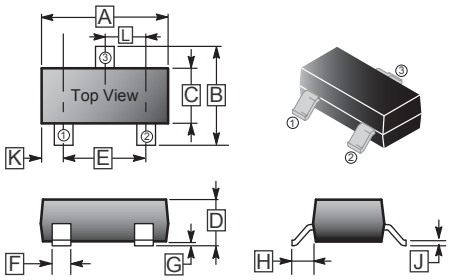
Surface Mount Schottky Barrier Rectifier

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

SOT-23



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	0.09	0.18
B	2.10	2.65	H	0.35	0.65
C	1.20	1.40	J	0.08	0.20
D	0.89	1.15	K	0.6 REF.	
E	1.78	2.04	L	0.95 BSC.	
F	0.30	0.50			

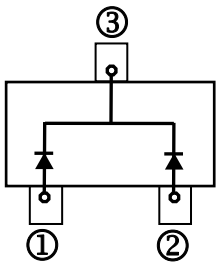
MARKING

04F

D3Q

PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-23	3K	7 inch



ABSOLUTE MAXIMUM RATINGS (T_A=25°C unless otherwise specified)

Parameter	Symbol	Ratings	Unit
DC Reverse Voltage	V_R	25	V
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	V
Working Peak Reverse Voltage	V_{RWM}	40	V
Maximum Average Forward Rectified Current	I_O	400	mA
Peak Forward Surge Current at 8.3 m Sec single half sine-wave	I_{FSM}	2	A
Total Power Dissipation	P_D	250	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	400	°C / W
Junction, Storage Temperature	T_J, T_{STG}	125, -55 ~ 150	°C

ELECTRICAL CHARACTERISTICS (T_A=25°C unless otherwise specified)

Parameters	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Maximum Instantaneous Forward Voltage	V_F	-	-	0.3	V	I_F=10mA
		-	-	0.5		I_F=200mA
Maximum Average Reverse Current	I_R	-	-	70	μA	V_R=25V

RATINGS AND CHARACTERISTIC CURVES

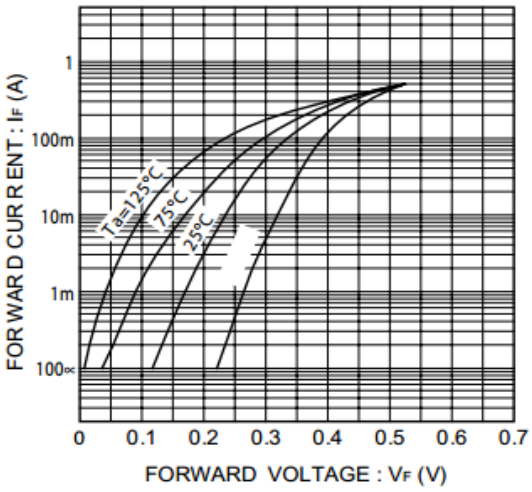


Fig.1 Forward characteristics

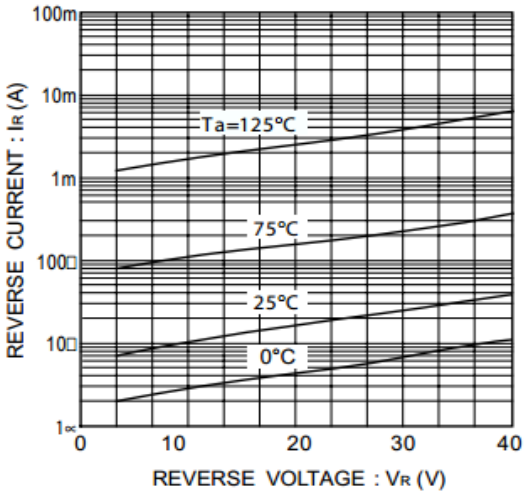


Fig.2 Reverse characteristics

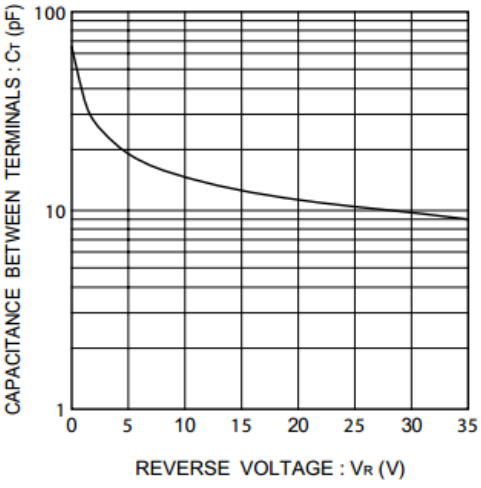


Fig.3 Capacitance between terminals characteristics

SeCoS Corporation

Reliability Testing Summary Report

Date: 2014/02/27 Document No.: SH14 -02- 013

Test Item	P/N	Test Condition	(LTPD)	Sample Numbers	Allow Fall Numbers	Fall Numbers	Result
HTRB High Temp Reverse Bias	SCS495D	100 ± 5℃, 100%VR, T = 1000hrs		77	0	0	ACC
HTSL High Temperature Storage Life	SCS495D	150℃, T = 1000 hrs		77	0	0	ACC
PCT Pressure Cooker Test	SCS495D	121℃, 29.7PSIG, 168 hrs		77	0	0	ACC
TCT Temperature Cycle Test	SCS495D	-55℃/30min, 150℃/30min, For 1000 Cycle		77	0	0	ACC
THT High Temperature High Humidity Test	SCS495D	85 ± 2℃, RH=85±5%, 1000 hrs		77	0	0	ACC
H3TRB High Temper High Humidity Reverse Bies Test	SCS495D	85 ± 2℃, RH=85±5%, 1000 hrs		77	0	0	ACC
Solderability	SCS495D	245 ± 5℃, 5Sec the inspected area of each lead must have 95% solder coverage minimum		10	0	0	ACC

Judgment:

■ **qualified** □ **unqualified**

Testing Start Date: 2014.01.02 Testing End Date: 2014.02.28

Tester: King Huang Approval: Peter Yang

SeCoS Corporation

Electrical Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 25℃
Test Date: 2014.01.02 ~ 2014.01.02
Test Standard : Specifications
Operator: Leo Hsia

Test Result: PASS

No	VF (mV)	VB (V)	IR (uA)
1	224.3mV	60.97V	14.08uA
2	224.3mV	60.82V	14.86uA
3	224.0mV	59.93V	14.11uA
4	223.7mV	59.92V	14.73uA
5	223.7mV	62.41V	14.32uA
6	224.4mV	60.12V	14.36uA
7	224.2mV	60.45V	14.73uA
8	224.1mV	61.11V	14.32uA
9	224.6mV	61.88V	14.72uA
10	224.5mV	61.75V	14.37uA
11	224.0mV	60.47V	14.37uA
12	224.4mV	60.65V	14.08uA
13	223.8mV	60.48V	14.76uA
14	223.9mV	61.62V	14.63uA
15	224.3mV	60.98V	14.64uA
16	224.3mV	60.70V	14.16uA
17	223.8mV	62.46V	14.10uA
18	223.7mV	60.34V	14.37uA
19	223.9mV	60.77V	14.09uA
20	224.5mV	62.41V	14.21uA
21	224.5mV	60.44V	13.96uA
22	224.5mV	62.46V	14.73uA
23	224.5mV	60.34V	14.52uA
24	224.2mV	61.11V	14.45uA
25	224.1mV	61.95V	14.10uA
26	224.4mV	62.28V	13.94uA
27	224.4mV	60.79V	14.41uA
28	224.6mV	60.43V	14.68uA
29	223.9mV	59.87V	14.87uA
30	223.6mV	61.61V	14.50uA
31	223.8mV	60.36V	14.38uA

SeCoS Corporation

Electrical Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 25℃
Test Date: 2014.01.02 ~ 2014.01.02
Test Standard : Specifications
Operator: Leo Hsia

Test Result: PASS

No	VF (mV)	VB (V)	IR (uA)
32	224.4mV	60.93V	14.61uA
33	224.0mV	61.11V	14.50uA
34	223.9mV	60.64V	14.55uA
35	224.5mV	61.67V	14.66uA
36	223.9mV	60.95V	14.10uA
37	224.0mV	60.62V	14.19uA
38	223.9mV	62.18V	14.82uA
39	223.9mV	62.28V	14.66uA
40	223.8mV	61.88V	14.31uA
41	224.3mV	62.47V	14.27uA
42	224.0mV	62.59V	14.38uA
43	224.0mV	59.89V	14.59uA
44	224.2mV	60.39V	14.34uA
45	224.5mV	60.33V	14.75uA
46	224.4mV	61.40V	14.49uA
47	224.0mV	60.60V	14.65uA
48	223.9mV	61.21V	14.74uA
49	223.8mV	61.24V	14.36uA
50	224.3mV	60.02V	14.68uA
51	224.3mV	62.27V	14.87uA
52	224.3mV	60.60V	13.99uA
53	224.0mV	61.58V	14.17uA
54	224.5mV	60.45V	14.15uA
55	224.5mV	62.22V	14.63uA
56	223.9mV	61.97V	14.55uA
57	224.3mV	61.45V	14.02uA
58	224.1mV	61.90V	14.85uA
59	223.9mV	60.77V	14.18uA
60	223.6mV	62.31V	14.07uA
61	223.8mV	61.98V	14.60uA
62	224.6mV	62.09V	14.41uA

SeCoS Corporation

Electrical Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 25℃
Test Date: 2014.01.02 ~ 2014.01.02
Test Standard : Specifications
Operator: Leo Hsia

Test Result: PASS

No	VF (mV)	VB (V)	IR (uA)
63	224.3mV	62.20V	14.72uA
64	223.6mV	60.86V	13.94uA
65	223.8mV	62.21V	14.80uA
66	224.3mV	60.14V	14.33uA
67	223.6mV	60.18V	14.22uA
68	224.1mV	62.47V	14.88uA
69	223.8mV	60.82V	13.93uA
70	224.6mV	62.55V	14.75uA
71	224.4mV	61.04V	14.31uA
72	224.2mV	60.81V	13.97uA
73	224.6mV	61.55V	14.69uA
74	224.4mV	61.59V	14.36uA
75	224.0mV	62.14V	14.31uA
76	224.0mV	61.22V	14.61uA
77	224.2mV	61.98V	14.82uA

Made By: King Huang

Approval: Peter Yang

SeCoS Corporation

High Temperature Reverse Bias Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 100 ± 5℃, 100%VR, T = 1000 hrs
Test Date: 2014.01.02 ~ 2014.02.14
Test Standard : JESD22 STANDARD Method-A108
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	224.1mV	61.76V	14.46uA	224.7mV	59.26V	15.04uA
2	224.1mV	59.85V	14.88uA	224.8mV	58.58V	14.73uA
3	223.8mV	62.11V	14.81uA	224.5mV	59.21V	15.49uA
4	224.2mV	61.51V	14.24uA	224.3mV	60.69V	15.28uA
5	224.3mV	60.90V	14.70uA	224.1mV	59.06V	14.77uA
6	224.3mV	60.09V	14.58uA	224.8mV	58.77V	14.54uA
7	224.3mV	62.57V	14.05uA	224.9mV	60.30V	15.17uA
8	223.7mV	60.16V	14.15uA	224.2mV	59.73V	15.41uA
9	224.4mV	61.78V	14.14uA	224.6mV	58.34V	14.71uA
10	224.6mV	61.00V	14.48uA	224.6mV	60.65V	15.48uA
11	224.2mV	60.66V	14.39uA	224.6mV	59.47V	15.20uA
12	224.0mV	62.44V	14.10uA	224.5mV	58.56V	15.07uA
13	224.4mV	60.48V	14.32uA	224.8mV	59.07V	14.61uA
14	224.6mV	62.18V	14.43uA	225.0mV	59.54V	14.78uA
15	223.9mV	61.20V	14.19uA	224.8mV	58.79V	15.07uA
16	224.1mV	61.03V	14.20uA	224.1mV	59.35V	15.07uA
17	224.2mV	62.01V	14.53uA	224.6mV	60.84V	15.43uA
18	223.9mV	62.44V	14.20uA	224.3mV	60.54V	14.86uA
19	224.6mV	60.53V	14.56uA	224.9mV	59.45V	15.37uA
20	223.9mV	60.02V	14.40uA	224.6mV	59.87V	15.28uA
21	223.8mV	61.58V	14.02uA	224.3mV	60.04V	14.98uA
22	224.6mV	61.65V	14.60uA	224.9mV	59.23V	15.03uA
23	224.0mV	60.17V	14.64uA	224.6mV	58.89V	14.80uA
24	224.4mV	60.92V	14.62uA	224.3mV	60.07V	14.54uA
25	224.1mV	62.44V	14.03uA	224.1mV	59.05V	15.02uA
26	224.4mV	62.01V	14.04uA	224.4mV	59.46V	15.12uA
27	224.3mV	62.64V	14.65uA	224.1mV	60.78V	15.16uA
28	223.9mV	62.11V	14.08uA	224.7mV	60.67V	15.30uA
29	223.6mV	60.63V	14.56uA	224.9mV	59.33V	15.07uA
30	224.5mV	60.98V	14.27uA	224.3mV	60.30V	15.00uA

SeCoS Corporation

High Temperature Reverse Bias Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 100 ± 5℃, 100%VR, T = 1000 hrs
Test Date: 2014.01.02 ~ 2014.02.14
Test Standard : JESD22 STANDARD Method-A108
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	223.9mV	60.63V	14.82uA	224.2mV	59.79V	15.10uA
32	224.2mV	61.43V	14.71uA	224.3mV	60.59V	15.24uA
33	224.5mV	59.85V	14.32uA	224.6mV	59.31V	15.41uA
34	223.8mV	61.92V	13.96uA	224.2mV	59.71V	14.85uA
35	224.0mV	60.45V	14.43uA	224.2mV	60.14V	14.57uA
36	224.2mV	62.21V	14.29uA	224.6mV	59.88V	15.32uA
37	224.2mV	60.02V	13.96uA	224.9mV	58.06V	15.44uA
38	223.7mV	61.87V	14.06uA	224.6mV	59.48V	15.43uA
39	224.3mV	62.23V	14.77uA	224.5mV	59.42V	14.91uA
40	224.6mV	60.48V	14.15uA	224.3mV	59.82V	14.54uA
41	224.2mV	59.99V	14.29uA	224.5mV	58.63V	14.64uA
42	224.2mV	62.48V	14.41uA	224.9mV	60.29V	14.73uA
43	224.1mV	62.12V	14.75uA	224.5mV	58.25V	14.73uA
44	224.6mV	62.65V	14.84uA	224.8mV	58.05V	14.90uA
45	224.6mV	60.79V	14.79uA	224.2mV	59.78V	14.69uA
46	223.7mV	61.84V	14.02uA	224.8mV	59.50V	14.80uA
47	224.5mV	60.01V	14.88uA	224.5mV	59.73V	14.57uA
48	223.8mV	61.82V	14.57uA	224.2mV	58.58V	14.96uA
49	224.4mV	59.82V	14.35uA	224.7mV	60.28V	15.28uA
50	223.9mV	61.50V	14.39uA	224.3mV	58.63V	14.70uA
51	224.1mV	60.70V	14.85uA	224.2mV	59.06V	15.43uA
52	224.5mV	60.41V	14.82uA	224.4mV	60.06V	14.59uA
53	224.3mV	60.13V	14.62uA	224.4mV	59.67V	14.87uA
54	224.3mV	60.16V	14.39uA	224.1mV	59.25V	14.75uA
55	224.1mV	59.95V	14.82uA	224.3mV	58.51V	15.14uA
56	224.3mV	60.58V	14.00uA	224.7mV	60.34V	14.82uA
57	224.0mV	62.15V	14.68uA	224.4mV	60.31V	14.53uA
58	224.3mV	60.88V	14.63uA	224.3mV	60.54V	14.62uA
59	223.9mV	60.01V	14.47uA	224.8mV	59.06V	15.30uA
60	224.5mV	61.73V	14.45uA	224.7mV	58.74V	14.85uA

SeCoS Corporation

High Temperature Reverse Bias Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 100 ± 5℃, 100%VR, T = 1000 hrs
Test Date: 2014.01.02 ~ 2014.02.14
Test Standard : JESD22 STANDARD Method-A108
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	224.0mV	60.66V	14.71uA	224.8mV	60.56V	14.95uA
62	223.9mV	60.21V	14.00uA	224.7mV	59.57V	15.15uA
63	224.1mV	60.00V	14.23uA	224.4mV	58.39V	15.39uA
64	224.0mV	62.04V	14.53uA	224.5mV	59.18V	14.54uA
65	224.3mV	61.01V	14.77uA	224.0mV	58.80V	15.41uA
66	224.3mV	60.84V	14.33uA	224.7mV	60.19V	15.34uA
67	224.0mV	61.56V	14.24uA	224.6mV	60.44V	14.74uA
68	224.6mV	62.13V	14.71uA	224.8mV	58.75V	15.05uA
69	224.0mV	60.29V	14.25uA	224.8mV	59.42V	14.83uA
70	224.3mV	61.42V	14.57uA	224.1mV	58.42V	15.07uA
71	224.4mV	60.34V	14.29uA	224.7mV	59.87V	15.07uA
72	223.9mV	62.18V	14.12uA	224.7mV	59.84V	14.71uA
73	223.9mV	62.00V	14.10uA	224.3mV	60.80V	15.46uA
74	223.7mV	61.45V	14.55uA	224.2mV	60.18V	15.01uA
75	224.3mV	61.78V	14.63uA	225.0mV	58.54V	14.97uA
76	224.2mV	60.92V	14.82uA	224.1mV	59.65V	15.36uA
77	224.4mV	60.77V	13.97uA	224.6mV	60.63V	14.92uA

Made By: King Huang

Approval: Peter Yang

SeCoS Corporation

High Temperature Storage Life Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 150℃, 1000Hrs
Test Date: 2014.01.02 ~ 2014.02.14
Test Standard : JESD22 STANDARD Method-A103
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	224.5mV	60.74V	14.69uA	224.7mV	58.11V	14.80uA
2	223.8mV	62.43V	14.17uA	224.2mV	58.14V	15.42uA
3	224.2mV	60.86V	14.87uA	224.2mV	58.66V	14.91uA
4	223.7mV	61.10V	14.89uA	224.4mV	59.52V	15.12uA
5	223.8mV	60.48V	14.87uA	224.0mV	59.49V	15.20uA
6	223.8mV	62.14V	14.08uA	224.3mV	58.87V	14.69uA
7	224.2mV	59.88V	14.02uA	224.3mV	59.58V	15.24uA
8	224.0mV	60.30V	14.22uA	224.4mV	59.40V	15.37uA
9	224.1mV	62.15V	14.85uA	224.2mV	58.67V	14.77uA
10	224.4mV	61.33V	14.15uA	224.8mV	58.37V	15.33uA
11	224.6mV	61.03V	14.34uA	224.8mV	59.18V	15.06uA
12	224.3mV	61.04V	14.28uA	224.1mV	59.36V	15.37uA
13	224.1mV	61.14V	14.17uA	224.3mV	60.55V	14.93uA
14	224.0mV	62.09V	14.20uA	224.7mV	60.11V	14.92uA
15	224.6mV	59.85V	14.85uA	224.3mV	58.96V	15.43uA
16	224.5mV	62.14V	14.11uA	224.5mV	59.51V	15.09uA
17	224.3mV	59.95V	14.24uA	224.7mV	58.79V	15.43uA
18	224.2mV	59.95V	14.37uA	224.9mV	59.65V	15.28uA
19	223.9mV	61.83V	14.35uA	224.4mV	59.42V	14.80uA
20	224.6mV	60.80V	14.28uA	224.1mV	58.51V	15.08uA
21	223.7mV	61.84V	14.81uA	224.4mV	60.43V	14.58uA
22	224.2mV	62.41V	14.82uA	224.9mV	60.48V	15.19uA
23	224.4mV	61.05V	14.02uA	224.9mV	59.77V	14.67uA
24	223.7mV	61.21V	14.82uA	224.9mV	58.04V	14.75uA
25	224.4mV	59.94V	14.65uA	224.2mV	59.93V	15.22uA
26	224.4mV	61.87V	14.70uA	224.7mV	60.00V	14.59uA
27	224.2mV	61.18V	13.99uA	224.8mV	59.99V	14.90uA
28	224.0mV	61.38V	14.32uA	224.2mV	60.14V	14.65uA
29	224.1mV	59.94V	14.44uA	224.9mV	58.54V	14.69uA
30	224.2mV	62.16V	14.70uA	224.9mV	58.71V	15.42uA

SeCoS Corporation

High Temperature Storage Life Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 150℃, 1000Hrs
Test Date: 2014.01.02 ~ 2014.02.14
Test Standard : JESD22 STANDARD Method-A103
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	224.2mV	62.47V	14.44uA	224.4mV	60.83V	14.84uA
32	224.3mV	60.72V	14.76uA	224.2mV	60.05V	15.10uA
33	223.9mV	60.82V	14.89uA	224.2mV	58.95V	15.04uA
34	224.6mV	60.29V	14.81uA	224.3mV	59.05V	15.09uA
35	224.3mV	60.23V	14.41uA	224.5mV	58.95V	15.14uA
36	224.3mV	60.79V	14.05uA	224.5mV	59.65V	15.10uA
37	224.2mV	62.21V	14.11uA	224.4mV	58.56V	15.40uA
38	223.6mV	61.22V	14.34uA	224.9mV	59.76V	15.00uA
39	224.2mV	61.98V	14.43uA	224.6mV	59.88V	15.19uA
40	223.7mV	60.56V	13.97uA	224.3mV	58.26V	15.30uA
41	223.9mV	61.55V	14.11uA	224.4mV	58.55V	14.74uA
42	224.3mV	59.85V	14.86uA	224.5mV	60.55V	15.41uA
43	224.2mV	61.58V	14.19uA	225.0mV	59.49V	15.26uA
44	224.3mV	61.92V	14.03uA	224.4mV	58.90V	15.17uA
45	223.9mV	61.61V	14.36uA	224.2mV	59.37V	15.15uA
46	224.3mV	61.23V	14.65uA	224.1mV	58.38V	14.53uA
47	223.9mV	62.53V	14.27uA	224.4mV	58.06V	15.25uA
48	223.7mV	62.48V	14.14uA	224.2mV	59.08V	15.11uA
49	224.6mV	61.04V	13.99uA	224.6mV	60.27V	15.37uA
50	224.4mV	62.47V	14.73uA	224.8mV	58.93V	14.68uA
51	224.3mV	62.56V	14.80uA	224.6mV	59.37V	14.74uA
52	224.2mV	61.05V	14.63uA	224.4mV	58.93V	15.46uA
53	223.9mV	62.19V	14.54uA	224.2mV	59.66V	15.17uA
54	223.8mV	62.07V	14.13uA	224.3mV	60.36V	15.01uA
55	224.4mV	62.29V	14.07uA	224.6mV	60.55V	15.27uA
56	224.1mV	62.14V	14.18uA	224.2mV	58.86V	14.96uA
57	223.8mV	62.17V	14.55uA	224.8mV	59.98V	14.79uA
58	223.6mV	60.40V	13.97uA	224.2mV	60.76V	14.58uA
59	224.6mV	61.94V	14.14uA	224.7mV	58.79V	15.24uA
60	224.5mV	61.54V	14.72uA	224.9mV	60.48V	15.10uA

SeCoS Corporation

High Temperature Storage Life Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 150℃, 1000Hrs
Test Date: 2014.01.02 ~ 2014.02.14
Test Standard : JESD22 STANDARD Method-A103
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	224.3mV	62.56V	14.39uA	224.1mV	60.44V	14.90uA
62	223.7mV	62.36V	14.24uA	224.8mV	58.33V	15.17uA
63	224.5mV	61.29V	14.32uA	225.0mV	59.16V	14.71uA
64	224.5mV	60.43V	14.16uA	224.1mV	58.84V	15.09uA
65	224.0mV	60.94V	14.60uA	224.9mV	58.76V	14.93uA
66	223.8mV	60.58V	13.93uA	224.8mV	59.39V	14.89uA
67	224.1mV	62.29V	14.80uA	224.8mV	58.56V	14.55uA
68	224.0mV	60.92V	14.18uA	224.9mV	60.05V	14.81uA
69	223.6mV	60.96V	14.34uA	224.2mV	60.42V	15.46uA
70	224.3mV	60.98V	14.24uA	224.7mV	59.40V	14.75uA
71	223.7mV	61.89V	14.44uA	224.2mV	58.92V	14.57uA
72	224.3mV	62.52V	14.51uA	224.4mV	60.13V	14.53uA
73	224.2mV	61.03V	14.23uA	224.5mV	59.35V	14.76uA
74	224.1mV	62.12V	14.16uA	224.1mV	58.43V	14.90uA
75	224.3mV	62.38V	14.03uA	224.2mV	58.23V	14.62uA
76	224.2mV	61.45V	14.38uA	224.3mV	58.21V	15.44uA
77	224.3mV	62.34V	14.52uA	224.1mV	58.23V	14.55uA

Made By: King Huang

Approval: Peter Yang

SeCoS Corporation

Pressure Cooker Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 121℃, 100%RH, 29.7PSIG, 168Hrs
Test Date: 2014.01.02 ~ 2014.01.10
Test Standard : JESD22 STANDARD Method-A102
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	223.7mV	59.90V	14.00uA	224.2mV	59.94V	14.86uA
2	224.4mV	60.28V	14.17uA	224.3mV	60.55V	15.10uA
3	224.2mV	60.78V	14.33uA	224.7mV	60.46V	15.44uA
4	224.5mV	62.52V	14.41uA	224.7mV	59.49V	14.55uA
5	224.0mV	62.36V	14.70uA	224.5mV	60.78V	15.02uA
6	223.9mV	62.27V	14.79uA	224.9mV	60.00V	14.56uA
7	224.2mV	60.47V	14.25uA	224.3mV	59.22V	14.58uA
8	223.9mV	60.76V	14.63uA	224.3mV	58.89V	15.38uA
9	223.7mV	61.43V	14.23uA	224.4mV	60.03V	14.62uA
10	224.2mV	62.50V	14.85uA	224.6mV	58.53V	14.73uA
11	224.3mV	60.31V	14.19uA	224.3mV	60.50V	15.06uA
12	223.8mV	62.39V	14.32uA	224.4mV	58.69V	15.33uA
13	224.0mV	62.61V	14.12uA	224.9mV	59.02V	14.59uA
14	223.6mV	62.12V	14.55uA	224.3mV	60.25V	14.54uA
15	224.4mV	59.83V	14.59uA	224.9mV	60.82V	14.65uA
16	223.8mV	60.43V	14.40uA	224.7mV	60.06V	15.12uA
17	224.4mV	60.87V	14.62uA	224.4mV	58.06V	14.55uA
18	223.9mV	60.70V	14.31uA	224.5mV	59.34V	15.07uA
19	223.7mV	60.72V	13.99uA	224.7mV	60.00V	14.83uA
20	224.4mV	61.60V	14.50uA	224.8mV	58.70V	15.25uA
21	223.9mV	60.77V	14.42uA	224.3mV	59.65V	15.31uA
22	224.2mV	59.92V	14.10uA	225.0mV	59.23V	15.05uA
23	223.8mV	59.99V	14.54uA	224.6mV	58.84V	15.02uA
24	223.7mV	61.91V	14.65uA	224.1mV	60.07V	15.45uA
25	224.5mV	60.04V	14.09uA	224.5mV	58.13V	14.61uA
26	224.4mV	61.21V	14.78uA	224.7mV	58.89V	15.15uA
27	223.6mV	62.10V	14.48uA	224.7mV	58.31V	14.86uA
28	223.7mV	61.36V	14.41uA	224.3mV	60.67V	14.92uA
29	224.6mV	60.29V	14.18uA	225.0mV	59.57V	14.94uA
30	224.4mV	61.96V	14.08uA	224.5mV	60.47V	14.71uA

SeCoS Corporation

Pressure Cooker Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 121℃, 100%RH, 29.7PSIG, 168Hrs
Test Date: 2014.01.02 ~ 2014.01.10
Test Standard : JESD22 STANDARD Method-A102
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	224.5mV	60.95V	14.54uA	224.5mV	60.59V	14.79uA
32	224.1mV	60.10V	14.50uA	224.1mV	60.69V	15.33uA
33	224.3mV	62.64V	14.72uA	224.4mV	58.95V	15.06uA
34	224.3mV	61.92V	14.27uA	224.5mV	59.64V	14.60uA
35	224.2mV	61.60V	14.47uA	224.7mV	60.17V	15.30uA
36	223.6mV	60.98V	14.80uA	224.4mV	60.10V	14.79uA
37	224.3mV	60.71V	14.27uA	224.2mV	58.80V	14.81uA
38	223.9mV	61.09V	14.03uA	224.8mV	60.84V	15.05uA
39	223.7mV	62.05V	14.40uA	224.8mV	59.08V	14.87uA
40	223.6mV	62.50V	14.54uA	224.2mV	60.11V	15.12uA
41	224.5mV	60.84V	14.18uA	224.8mV	60.72V	15.22uA
42	224.5mV	60.27V	14.23uA	224.1mV	60.09V	15.20uA
43	223.7mV	62.38V	13.96uA	224.1mV	59.99V	15.35uA
44	224.5mV	62.02V	14.16uA	224.4mV	60.07V	14.88uA
45	224.1mV	59.94V	14.65uA	224.8mV	58.82V	15.43uA
46	223.9mV	61.42V	14.49uA	224.7mV	58.15V	14.61uA
47	224.3mV	61.87V	14.07uA	224.4mV	58.64V	15.05uA
48	224.1mV	62.13V	14.68uA	224.9mV	59.84V	14.70uA
49	224.3mV	60.61V	14.66uA	224.2mV	58.40V	14.72uA
50	224.1mV	61.07V	14.20uA	224.6mV	58.78V	15.40uA
51	224.5mV	61.15V	14.54uA	224.1mV	58.90V	15.05uA
52	224.3mV	62.10V	13.96uA	224.9mV	60.44V	14.86uA
53	224.0mV	60.85V	14.33uA	224.9mV	59.60V	14.92uA
54	224.6mV	60.24V	14.28uA	224.1mV	59.65V	15.03uA
55	224.1mV	59.89V	14.43uA	224.6mV	59.73V	15.21uA
56	224.2mV	62.29V	14.20uA	224.0mV	58.85V	15.19uA
57	224.4mV	62.62V	14.60uA	224.8mV	59.92V	15.43uA
58	224.2mV	62.28V	14.71uA	224.5mV	60.61V	15.22uA
59	223.7mV	60.62V	14.00uA	224.9mV	60.56V	15.01uA
60	224.6mV	62.33V	14.83uA	224.8mV	59.05V	15.46uA

SeCoS Corporation

Pressure Cooker Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 121℃, 100%RH, 29.7PSIG, 168Hrs
Test Date: 2014.01.02 ~ 2014.01.10
Test Standard : JESD22 STANDARD Method-A102
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	224.2mV	60.61V	14.14uA	224.0mV	60.68V	14.55uA
62	223.6mV	60.79V	14.31uA	224.2mV	59.03V	15.37uA
63	224.1mV	61.92V	14.60uA	224.3mV	59.01V	15.10uA
64	224.2mV	61.00V	14.33uA	224.6mV	60.41V	15.11uA
65	224.1mV	61.13V	14.15uA	224.4mV	58.17V	14.55uA
66	224.1mV	61.51V	14.00uA	224.7mV	60.51V	14.67uA
67	223.7mV	61.43V	14.25uA	224.4mV	60.50V	14.62uA
68	223.7mV	61.52V	14.76uA	224.0mV	58.49V	15.42uA
69	223.8mV	60.52V	13.95uA	224.2mV	58.40V	14.75uA
70	224.1mV	62.03V	14.71uA	224.1mV	60.41V	14.73uA
71	223.9mV	62.29V	14.43uA	224.2mV	58.52V	15.09uA
72	224.5mV	61.72V	14.70uA	224.7mV	58.04V	15.29uA
73	223.9mV	60.49V	14.59uA	224.1mV	59.13V	14.71uA
74	224.5mV	61.83V	14.03uA	224.5mV	59.88V	15.37uA
75	223.7mV	61.49V	14.77uA	224.9mV	58.23V	15.14uA
76	224.2mV	61.87V	14.63uA	224.8mV	60.07V	15.36uA
77	224.0mV	61.45V	14.19uA	224.4mV	60.46V	15.28uA

Made By: King Huang

Approval: Peter Yang

SeCoS Corporation

Temperature Cycle Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: -55℃/30min, 150℃/30min, for1000 Cycle
Test Date: 2014.01.03 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A104
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	223.7mV	61.94V	14.32uA	224.8mV	58.64V	15.25uA
2	224.3mV	61.21V	14.69uA	224.1mV	58.47V	15.06uA
3	224.6mV	60.10V	14.12uA	224.4mV	60.18V	15.16uA
4	224.6mV	62.25V	14.18uA	224.3mV	58.42V	15.03uA
5	224.1mV	60.38V	14.33uA	224.2mV	58.34V	14.97uA
6	224.1mV	61.22V	14.45uA	224.8mV	60.36V	14.76uA
7	223.7mV	60.98V	14.82uA	224.4mV	59.51V	14.61uA
8	224.6mV	60.68V	14.59uA	224.3mV	60.65V	14.69uA
9	224.5mV	59.88V	14.08uA	224.5mV	58.24V	14.81uA
10	224.2mV	61.77V	14.71uA	224.1mV	60.29V	14.59uA
11	224.0mV	61.08V	14.35uA	224.5mV	59.43V	14.71uA
12	224.0mV	60.71V	14.27uA	224.3mV	59.14V	15.43uA
13	224.5mV	61.10V	14.09uA	224.2mV	59.38V	15.37uA
14	224.5mV	61.88V	14.87uA	225.0mV	60.68V	14.54uA
15	224.6mV	60.32V	14.05uA	224.8mV	60.06V	14.58uA
16	224.5mV	60.96V	14.29uA	224.9mV	58.44V	14.98uA
17	223.8mV	62.36V	14.67uA	224.3mV	59.25V	14.61uA
18	224.4mV	60.54V	14.70uA	224.9mV	59.57V	14.54uA
19	223.7mV	59.88V	14.48uA	224.8mV	59.98V	14.99uA
20	224.3mV	61.31V	14.73uA	224.6mV	60.33V	14.86uA
21	223.7mV	60.20V	14.34uA	225.0mV	58.89V	14.88uA
22	224.5mV	61.62V	14.15uA	224.4mV	58.66V	14.82uA
23	224.6mV	60.00V	14.40uA	224.7mV	59.35V	15.31uA
24	224.4mV	60.90V	14.08uA	224.2mV	60.65V	15.28uA
25	224.6mV	61.73V	14.28uA	224.4mV	59.67V	14.61uA
26	223.7mV	60.21V	14.47uA	224.7mV	58.17V	15.42uA
27	224.0mV	61.22V	14.69uA	224.8mV	59.40V	15.02uA
28	223.8mV	61.45V	14.33uA	224.2mV	60.54V	14.54uA
29	224.2mV	59.89V	14.45uA	224.2mV	59.86V	14.79uA
30	224.4mV	60.96V	14.09uA	224.1mV	59.28V	15.26uA

SeCoS Corporation

Temperature Cycle Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: -55℃/30min, 150℃/30min, for1000 Cycle
Test Date: 2014.01.03 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A104
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	224.6mV	60.85V	13.94uA	224.2mV	59.21V	14.82uA
32	223.9mV	62.59V	14.43uA	224.2mV	60.04V	15.16uA
33	224.3mV	61.52V	14.41uA	224.3mV	58.97V	14.65uA
34	224.5mV	61.46V	14.71uA	224.3mV	58.49V	14.82uA
35	223.7mV	62.11V	14.62uA	224.9mV	60.12V	14.86uA
36	223.8mV	60.14V	14.75uA	224.7mV	58.55V	15.10uA
37	224.6mV	61.78V	14.76uA	224.1mV	58.49V	15.14uA
38	223.9mV	62.46V	14.17uA	224.5mV	58.18V	15.16uA
39	223.9mV	61.59V	14.26uA	224.2mV	59.83V	15.18uA
40	224.5mV	62.00V	14.32uA	224.6mV	60.24V	14.61uA
41	224.2mV	60.50V	14.43uA	224.8mV	58.63V	14.83uA
42	224.3mV	61.06V	14.28uA	224.4mV	60.10V	15.12uA
43	223.9mV	61.76V	14.58uA	224.2mV	59.99V	15.24uA
44	223.9mV	60.83V	14.85uA	224.2mV	59.83V	14.67uA
45	224.5mV	60.73V	14.57uA	224.7mV	59.22V	15.21uA
46	224.3mV	60.08V	14.82uA	224.4mV	58.52V	14.84uA
47	224.1mV	61.87V	13.93uA	225.0mV	59.27V	15.14uA
48	224.5mV	61.28V	14.82uA	224.5mV	58.59V	15.22uA
49	224.3mV	60.06V	14.05uA	224.3mV	58.67V	15.45uA
50	224.4mV	61.84V	14.71uA	224.2mV	59.48V	15.46uA
51	223.8mV	61.66V	14.17uA	224.1mV	60.38V	15.29uA
52	223.7mV	62.45V	14.77uA	224.2mV	60.42V	14.92uA
53	223.8mV	61.44V	14.24uA	224.9mV	58.07V	15.36uA
54	224.2mV	60.34V	14.49uA	224.5mV	60.65V	14.71uA
55	224.6mV	60.28V	14.44uA	224.6mV	58.18V	15.41uA
56	223.6mV	60.35V	14.57uA	224.7mV	58.05V	14.73uA
57	224.6mV	60.45V	14.16uA	224.3mV	59.39V	15.12uA
58	224.0mV	60.73V	14.52uA	224.7mV	59.22V	14.79uA
59	224.2mV	60.25V	14.03uA	224.8mV	59.19V	15.32uA
60	223.7mV	60.79V	14.62uA	224.8mV	60.39V	14.69uA

SeCoS Corporation

Temperature Cycle Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: -55℃/30min, 150℃/30min, for1000 Cycle
Test Date: 2014.01.03 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A104
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	224.2mV	59.94V	14.46uA	224.7mV	59.31V	15.46uA
62	223.7mV	61.87V	14.46uA	224.8mV	58.21V	14.75uA
63	224.1mV	61.66V	14.21uA	224.5mV	60.29V	15.13uA
64	224.6mV	61.41V	14.58uA	224.1mV	59.77V	15.14uA
65	223.9mV	62.43V	13.93uA	224.4mV	58.07V	15.41uA
66	223.9mV	62.16V	14.76uA	224.6mV	58.46V	14.62uA
67	224.3mV	61.31V	14.12uA	224.8mV	58.34V	15.21uA
68	224.3mV	61.20V	14.31uA	224.3mV	58.17V	15.47uA
69	224.5mV	62.23V	14.08uA	224.4mV	60.55V	14.76uA
70	224.3mV	61.06V	14.57uA	224.3mV	58.57V	15.06uA
71	223.9mV	62.04V	14.77uA	224.3mV	60.04V	14.63uA
72	223.7mV	60.34V	14.28uA	224.3mV	58.48V	15.37uA
73	224.5mV	60.36V	14.51uA	224.2mV	60.19V	15.45uA
74	224.0mV	62.08V	14.81uA	224.4mV	59.35V	14.98uA
75	224.3mV	60.41V	14.57uA	225.0mV	58.48V	15.16uA
76	223.7mV	61.90V	14.59uA	224.4mV	59.87V	14.78uA
77	223.6mV	60.25V	14.77uA	224.2mV	59.11V	15.03uA

Made By: King Huang

Approval: Peter Yang

SeCoS Corporation

High Temperature High Humidity Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.01.13 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	224.3mV	60.10V	14.54uA	224.6mV	59.33V	15.18uA
2	224.3mV	59.97V	14.38uA	224.8mV	59.13V	15.31uA
3	223.9mV	61.57V	14.32uA	224.2mV	60.31V	15.13uA
4	224.0mV	62.61V	14.43uA	224.5mV	58.36V	15.35uA
5	224.4mV	60.51V	14.80uA	224.8mV	58.28V	15.13uA
6	224.2mV	62.30V	13.96uA	224.7mV	59.54V	15.48uA
7	224.1mV	61.93V	14.37uA	224.2mV	60.35V	14.78uA
8	223.7mV	59.99V	14.49uA	224.6mV	60.35V	14.87uA
9	223.6mV	61.79V	14.55uA	224.4mV	59.25V	15.31uA
10	223.8mV	61.13V	14.89uA	224.8mV	60.70V	14.94uA
11	223.9mV	60.37V	14.83uA	224.6mV	59.94V	14.72uA
12	224.5mV	61.08V	14.62uA	224.3mV	59.08V	15.24uA
13	224.6mV	61.88V	14.59uA	224.1mV	60.53V	15.04uA
14	223.8mV	60.77V	14.70uA	224.8mV	58.32V	14.80uA
15	223.9mV	61.31V	14.36uA	224.7mV	60.45V	15.20uA
16	224.0mV	59.91V	14.89uA	224.3mV	60.76V	14.97uA
17	224.0mV	62.51V	14.67uA	224.4mV	58.68V	15.47uA
18	224.1mV	60.66V	14.59uA	224.5mV	58.07V	14.68uA
19	223.8mV	60.41V	13.93uA	225.0mV	59.69V	14.99uA
20	223.8mV	61.69V	14.77uA	224.6mV	58.55V	14.88uA
21	223.6mV	61.22V	14.01uA	224.5mV	58.47V	14.59uA
22	224.0mV	60.65V	14.30uA	225.0mV	58.18V	14.95uA
23	224.3mV	61.82V	14.85uA	224.0mV	59.60V	14.99uA
24	224.2mV	61.99V	14.13uA	224.8mV	59.83V	14.59uA
25	223.8mV	62.03V	14.30uA	224.7mV	58.49V	14.75uA
26	224.2mV	61.96V	14.86uA	224.2mV	58.03V	14.85uA
27	224.3mV	61.07V	14.23uA	224.9mV	60.64V	14.93uA
28	224.3mV	61.18V	13.94uA	224.5mV	58.58V	15.11uA
29	224.0mV	62.53V	14.51uA	224.2mV	58.68V	15.30uA
30	224.2mV	60.48V	14.00uA	224.1mV	58.05V	14.87uA

SeCoS Corporation

High Temperature High Humidity Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.01.13 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	223.7mV	61.50V	14.56uA	224.3mV	60.45V	14.82uA
32	223.8mV	60.93V	14.66uA	224.0mV	59.54V	14.55uA
33	224.0mV	61.93V	14.41uA	224.0mV	58.34V	15.32uA
34	223.8mV	62.36V	14.67uA	224.4mV	59.20V	15.47uA
35	223.7mV	60.77V	14.03uA	224.7mV	59.24V	14.55uA
36	224.2mV	62.57V	14.87uA	224.9mV	58.28V	15.10uA
37	223.6mV	60.71V	14.43uA	224.6mV	58.85V	15.28uA
38	224.3mV	61.54V	14.45uA	224.6mV	59.81V	15.34uA
39	224.4mV	60.37V	14.49uA	224.5mV	58.93V	14.94uA
40	224.6mV	61.53V	14.31uA	224.7mV	60.19V	15.22uA
41	224.1mV	60.66V	14.34uA	224.5mV	59.58V	15.05uA
42	223.9mV	61.55V	14.57uA	224.6mV	58.46V	15.32uA
43	224.3mV	62.36V	13.96uA	224.5mV	58.71V	14.98uA
44	224.4mV	60.04V	14.45uA	224.6mV	59.29V	15.05uA
45	224.6mV	62.30V	14.71uA	224.5mV	58.29V	15.35uA
46	224.0mV	60.35V	14.32uA	224.7mV	59.14V	15.37uA
47	223.7mV	61.10V	13.92uA	224.9mV	59.37V	15.20uA
48	223.7mV	59.84V	14.13uA	224.4mV	58.11V	14.69uA
49	224.0mV	62.34V	14.70uA	224.2mV	59.64V	15.26uA
50	224.1mV	61.26V	14.25uA	224.1mV	60.25V	14.60uA
51	223.6mV	62.15V	14.65uA	224.2mV	58.33V	14.85uA
52	224.1mV	61.00V	13.98uA	224.9mV	59.73V	14.86uA
53	223.9mV	59.86V	14.20uA	224.5mV	58.65V	15.15uA
54	224.5mV	61.01V	14.54uA	224.3mV	59.39V	14.93uA
55	224.6mV	61.71V	13.92uA	224.4mV	60.30V	15.24uA
56	224.3mV	60.55V	14.59uA	224.7mV	60.27V	15.06uA
57	224.4mV	61.94V	14.75uA	224.1mV	59.28V	15.32uA
58	224.0mV	60.58V	14.12uA	224.2mV	58.87V	14.52uA
59	224.3mV	60.62V	14.49uA	224.5mV	60.01V	15.28uA
60	224.3mV	61.20V	14.74uA	224.7mV	58.88V	15.25uA

SeCoS Corporation

High Temperature High Humidity Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.01.13 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	224.0mV	61.10V	14.20uA	224.9mV	59.31V	14.74uA
62	224.1mV	61.45V	13.93uA	224.9mV	58.62V	15.35uA
63	223.9mV	62.44V	14.45uA	224.3mV	59.83V	15.42uA
64	224.2mV	60.87V	14.36uA	224.4mV	59.34V	15.43uA
65	224.4mV	61.57V	14.63uA	224.6mV	58.74V	15.46uA
66	224.1mV	61.13V	14.29uA	224.4mV	59.33V	14.61uA
67	223.8mV	60.22V	14.63uA	224.1mV	60.17V	15.22uA
68	224.2mV	60.73V	14.04uA	224.5mV	60.50V	14.62uA
69	223.7mV	60.74V	14.72uA	224.4mV	59.29V	15.21uA
70	224.1mV	60.43V	14.34uA	224.3mV	59.39V	15.33uA
71	224.2mV	60.02V	14.54uA	224.3mV	58.03V	15.29uA
72	224.6mV	60.92V	14.36uA	224.7mV	60.85V	15.19uA
73	223.8mV	61.77V	14.82uA	224.3mV	59.76V	14.75uA
74	224.3mV	60.69V	14.76uA	224.7mV	60.65V	14.81uA
75	224.2mV	61.49V	14.07uA	224.4mV	60.74V	14.98uA
76	224.4mV	61.45V	14.21uA	224.9mV	59.31V	15.09uA
77	223.6mV	60.19V	14.01uA	224.4mV	60.84V	14.62uA

Made By: King Huang

Approval: Peter Yang

SeCoS Corporation

High Temper High Humidity Reverse Bies Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.01.13 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	224.1mV	60.86V	14.18uA	224.2mV	59.53V	14.75uA
2	223.9mV	62.07V	14.25uA	224.8mV	58.86V	14.91uA
3	223.9mV	61.74V	14.41uA	224.7mV	60.62V	14.65uA
4	223.6mV	60.31V	14.49uA	224.5mV	58.76V	14.60uA
5	224.2mV	60.83V	14.80uA	224.1mV	58.71V	15.03uA
6	224.2mV	62.11V	14.26uA	224.7mV	60.53V	15.36uA
7	223.8mV	60.98V	14.71uA	224.9mV	59.22V	14.68uA
8	223.9mV	60.23V	14.29uA	224.9mV	58.91V	14.84uA
9	223.9mV	59.92V	14.76uA	224.2mV	60.31V	15.28uA
10	223.7mV	61.20V	14.43uA	224.7mV	58.85V	14.76uA
11	224.2mV	61.77V	14.81uA	224.7mV	60.69V	15.29uA
12	223.8mV	60.57V	14.85uA	224.1mV	59.61V	14.92uA
13	224.5mV	60.09V	14.16uA	224.6mV	58.18V	15.02uA
14	224.0mV	60.65V	14.60uA	224.9mV	58.49V	15.39uA
15	223.7mV	62.34V	14.72uA	224.7mV	59.16V	15.06uA
16	224.5mV	62.06V	14.66uA	224.8mV	58.06V	15.41uA
17	224.4mV	60.37V	14.28uA	225.0mV	58.08V	14.93uA
18	223.6mV	60.30V	14.61uA	224.9mV	59.15V	15.37uA
19	224.0mV	61.51V	14.01uA	224.6mV	58.06V	14.74uA
20	224.0mV	60.61V	13.99uA	224.3mV	59.05V	15.26uA
21	224.2mV	61.63V	14.35uA	224.0mV	60.42V	15.38uA
22	224.1mV	60.87V	14.64uA	224.6mV	59.24V	15.38uA
23	224.3mV	62.42V	14.32uA	224.6mV	58.92V	14.91uA
24	223.7mV	61.04V	14.77uA	224.8mV	58.68V	14.74uA
25	223.9mV	60.93V	14.81uA	224.4mV	58.26V	14.61uA
26	224.0mV	60.59V	14.24uA	224.5mV	59.52V	14.72uA
27	224.4mV	61.38V	14.04uA	224.8mV	60.85V	14.82uA
28	224.5mV	62.65V	14.62uA	224.3mV	60.57V	14.67uA
29	224.3mV	62.04V	14.14uA	224.9mV	60.74V	15.17uA
30	224.4mV	61.46V	14.36uA	224.4mV	59.04V	14.81uA

SeCoS Corporation

High Temper High Humidity Reverse Bies Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.01.13 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
31	224.1mV	61.91V	14.54uA	224.6mV	58.31V	15.39uA
32	223.8mV	60.57V	14.07uA	224.4mV	60.81V	14.90uA
33	224.4mV	60.95V	14.07uA	224.6mV	60.48V	14.95uA
34	224.3mV	61.61V	14.70uA	224.6mV	58.63V	14.92uA
35	223.6mV	61.88V	14.79uA	224.5mV	58.23V	15.34uA
36	224.5mV	61.93V	14.19uA	224.4mV	58.76V	15.35uA
37	224.4mV	62.41V	14.54uA	224.7mV	59.47V	14.68uA
38	224.1mV	60.24V	14.70uA	224.9mV	59.15V	14.58uA
39	223.9mV	61.69V	14.58uA	224.7mV	59.43V	14.97uA
40	224.0mV	60.97V	14.82uA	224.4mV	58.47V	14.79uA
41	224.4mV	61.66V	14.24uA	224.1mV	58.88V	15.26uA
42	224.1mV	62.06V	14.27uA	224.8mV	60.21V	14.58uA
43	224.3mV	61.88V	14.10uA	224.7mV	58.16V	14.55uA
44	224.5mV	61.28V	14.34uA	224.8mV	60.57V	14.67uA
45	224.2mV	60.70V	14.25uA	225.0mV	58.97V	15.30uA
46	224.4mV	61.53V	13.99uA	224.0mV	58.99V	14.74uA
47	223.8mV	61.49V	13.92uA	224.8mV	58.15V	15.07uA
48	224.3mV	60.92V	14.05uA	224.7mV	59.86V	14.90uA
49	224.4mV	60.10V	14.83uA	224.9mV	60.05V	15.29uA
50	223.8mV	61.06V	13.97uA	224.7mV	59.06V	14.70uA
51	224.4mV	62.50V	14.50uA	224.3mV	59.29V	14.94uA
52	223.6mV	61.72V	14.12uA	224.7mV	60.16V	15.44uA
53	223.8mV	60.54V	14.61uA	224.7mV	59.97V	15.25uA
54	223.8mV	61.67V	14.12uA	224.3mV	60.50V	14.54uA
55	224.5mV	61.17V	14.55uA	224.3mV	60.62V	14.83uA
56	223.8mV	62.64V	13.95uA	224.6mV	58.04V	15.09uA
57	224.1mV	61.21V	14.02uA	224.6mV	60.26V	15.47uA
58	224.5mV	62.23V	14.08uA	224.7mV	59.08V	15.23uA
59	223.8mV	61.73V	14.89uA	224.2mV	58.15V	14.84uA
60	223.8mV	62.63V	13.97uA	224.1mV	59.30V	15.20uA

SeCoS Corporation

High Temper High Humidity Reverse Bies Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 85±2℃, 85±5%RH, 1000Hrs
Test Date: 2014.01.13 ~ 2014.02.25
Test Standard : JESD22 STANDARD Method-A101
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
61	224.6mV	62.09V	14.52uA	224.3mV	60.46V	15.28uA
62	223.6mV	62.30V	14.76uA	224.1mV	59.41V	15.02uA
63	224.0mV	61.61V	14.16uA	224.1mV	58.39V	14.54uA
64	224.2mV	60.62V	14.67uA	224.1mV	59.36V	14.64uA
65	224.3mV	61.33V	14.88uA	224.4mV	59.78V	15.18uA
66	223.7mV	60.89V	14.53uA	224.5mV	59.84V	14.55uA
67	224.5mV	61.39V	14.29uA	224.6mV	60.66V	14.84uA
68	223.8mV	60.28V	14.10uA	224.3mV	58.17V	15.14uA
69	223.8mV	61.99V	14.21uA	224.5mV	58.37V	15.43uA
70	224.4mV	60.67V	14.70uA	224.8mV	60.79V	14.95uA
71	224.1mV	62.37V	14.69uA	224.1mV	58.96V	15.08uA
72	223.9mV	61.72V	14.46uA	224.8mV	58.59V	15.43uA
73	224.4mV	61.26V	14.35uA	224.0mV	60.19V	14.91uA
74	223.8mV	62.10V	14.17uA	224.4mV	59.19V	15.30uA
75	224.4mV	60.65V	14.40uA	224.0mV	58.54V	14.92uA
76	224.0mV	62.59V	14.19uA	224.3mV	60.48V	14.78uA
77	223.6mV	61.77V	14.29uA	224.4mV	58.28V	15.14uA

Made By: King Huang

Approval: Peter Yang

SeCoS Corporation

Solderability Test Data

Report No : T140227-013
Part No : SCS495D
Test Equipment: JUNO Test System DTS-1000
Test Condition : VF<300mV@IF=10mA, VB>40V@I=1mA, IR<70uA@VR=25V
Test Condition: 245℃ ± 5℃, 5Sec
Test Date: 2014.02.27 ~ 2014.02.27
Test Standard : JESD22 STANDER Method-B102
Operator: Leo Hsia

Test Result: PASS

	Before			After		
No	VF (mV)	VB (V)	IR (uA)	VF (mV)	VB (V)	IR (uA)
1	224.5mV	59.83V	14.40uA	224.8mV	58.57V	14.54uA
2	224.5mV	61.09V	14.27uA	224.7mV	59.26V	15.05uA
3	224.3mV	60.42V	14.49uA	224.8mV	59.69V	14.88uA
4	224.4mV	61.05V	14.79uA	224.3mV	58.33V	15.27uA
5	224.5mV	60.37V	14.46uA	224.9mV	60.09V	14.76uA
6	224.0mV	60.77V	14.54uA	224.7mV	58.35V	15.09uA
7	223.9mV	61.69V	14.86uA	224.8mV	60.76V	14.76uA
8	223.9mV	60.14V	14.00uA	224.8mV	60.45V	15.19uA
9	224.2mV	62.62V	14.46uA	224.9mV	58.34V	14.74uA
10	224.4mV	61.38V	14.29uA	224.4mV	59.52V	14.75uA

Made By: King Huang

Approval: Peter Yang