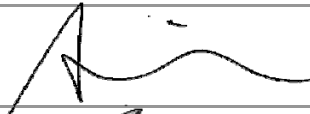




**Product/Process Change Notification**

PCN#	Effective Date	Issue Date
2014-08-01C-02	2015/2/1	2014/8/1
PCN Classification	Product Category	
Major	SOT-563 Package	
Subject		
Add a molding vendor		
Affected Product(s)		
As attachment		
Description of Change(s)		
In order to avoid shortage of the material, and enhance the speed of delivery, thus, we add a new vendor.		
Content of Change(s)		
Add Molding vendor--ELER-8-100HFE		
Impact(s)		
N/A		
Attachment(s)		
Reliability Teat Report.		

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>

Affected Product

BAT54Z	SSI2007
BAS40Z	SSI2154
BAS16Z	BC847BV
BAS16V	BC857BV
MMBD4448Z	EMT1
KS05M5	EMX1
KS05ML4	SEMZ8
KS33M5	



## Reliability Testing Summary Report

Date: 2014/06/30

Document No.: SH14 -06- 40

Test Item	P/N	Test Condition	(LTPD)	Sample Numbers	Allow Fall Numbers	Fall Numbers	Result
HTRB High Temp Reverse Bias	KS05M5	100 ± 5°C, 100% VR, T = 1000hrs		77	0	0	ACC
HTSL High Temperature Storage Life	KS05M5	150°C, T = 1000 hrs		77	0	0	ACC
PCT Pressure Cooker Test	KS05M5	121°C, 29.7PSIG, 168 hrs		77	0	0	ACC
TCT Temperature Cycle Test	KS05M5	-55°C/30min, 150°C/30min, For 1000 Cycle		77	0	0	ACC
THT High Temperature High Humidity Test	KS05M5	85 ± 2°C, RH=85±5%, 1000 hrs		77	0	0	ACC
H3TRB High Temper High Humidity Reverse Bies Test	KS05M5	85 ± 2°C, RH=85±5%, 1000 hrs		77	0	0	ACC
Solderability	KS05M5	245 ± 5°C, 5Sec the inspected area of each lead must have 95% solder coverage minimum		10	0	0	ACC

**Judgment:**

qualified     unqualified

Testing Start Date: 2014.05.05    Testing End Date: 2014.06.30

Tester: Leo Hsia    Approval: Peter Yang



## Electrical Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition: 25°C

Test Date: 2014.05.05 ~ 2014.05.05

Test Standard : Specifications

Operator: Leo Hsia

Test Result: PASS

No	$V_{BR}$ (V)	IR ( $\mu A$ )
1	6.773V	4.249 $\mu A$
2	6.560V	3.645 $\mu A$
3	6.605V	4.315 $\mu A$
4	6.754V	3.858 $\mu A$
5	6.622V	4.243 $\mu A$
6	6.755V	3.992 $\mu A$
7	6.750V	4.068 $\mu A$
8	6.540V	4.050 $\mu A$
9	6.694V	4.108 $\mu A$
10	6.693V	4.102 $\mu A$
11	6.735V	3.787 $\mu A$
12	6.622V	4.316 $\mu A$
13	6.681V	3.889 $\mu A$
14	6.683V	3.603 $\mu A$
15	6.761V	3.603 $\mu A$
16	6.784V	4.007 $\mu A$
17	6.740V	4.245 $\mu A$
18	6.730V	4.500 $\mu A$
19	6.792V	3.617 $\mu A$
20	6.646V	4.522 $\mu A$
21	6.564V	4.022 $\mu A$
22	6.790V	3.927 $\mu A$
23	6.688V	4.187 $\mu A$
24	6.558V	4.409 $\mu A$
25	6.793V	3.628 $\mu A$
26	6.791V	4.091 $\mu A$
27	6.602V	3.999 $\mu A$
28	6.715V	4.147 $\mu A$
29	6.790V	3.649 $\mu A$
30	6.614V	4.347 $\mu A$
31	6.556V	3.581 $\mu A$



## Electrical Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition: 25°C

Test Date: 2014.05.05 ~ 2014.05.05

Test Standard : Specifications

Operator: Leo Hsia

Test Result: PASS

No	$V_{BR}$ (V)	IR ( $\mu A$ )
32	6.709V	4.220 $\mu A$
33	6.650V	3.840 $\mu A$
34	6.608V	4.332 $\mu A$
35	6.642V	3.721 $\mu A$
36	6.704V	3.626 $\mu A$
37	6.641V	4.156 $\mu A$
38	6.557V	4.307 $\mu A$
39	6.582V	4.245 $\mu A$
40	6.760V	4.438 $\mu A$
41	6.610V	4.477 $\mu A$
42	6.654V	3.818 $\mu A$
43	6.723V	3.586 $\mu A$
44	6.560V	3.788 $\mu A$
45	6.628V	4.436 $\mu A$
46	6.527V	4.217 $\mu A$
47	6.741V	3.864 $\mu A$
48	6.723V	3.936 $\mu A$
49	6.682V	3.605 $\mu A$
50	6.648V	3.807 $\mu A$
51	6.720V	4.407 $\mu A$
52	6.629V	4.480 $\mu A$
53	6.595V	4.305 $\mu A$
54	6.545V	4.178 $\mu A$
55	6.632V	3.708 $\mu A$
56	6.540V	4.346 $\mu A$
57	6.638V	4.011 $\mu A$
58	6.761V	3.571 $\mu A$
59	6.563V	3.720 $\mu A$
60	6.704V	4.099 $\mu A$
61	6.697V	3.932 $\mu A$
62	6.700V	3.658 $\mu A$



## Electrical Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition: 25°C

Test Date: 2014.05.05 ~ 2014.05.05

Test Standard : Specifications

Operator: Leo Hsia

Test Result: PASS

No	$V_{BR}$ (V)	IR ( $\mu A$ )
63	6.736V	4.472 $\mu A$
64	6.753V	3.996 $\mu A$
65	6.669V	4.328 $\mu A$
66	6.758V	4.268 $\mu A$
67	6.729V	4.023 $\mu A$
68	6.624V	3.637 $\mu A$
69	6.623V	4.027 $\mu A$
70	6.545V	3.819 $\mu A$
71	6.784V	4.213 $\mu A$
72	6.594V	3.867 $\mu A$
73	6.667V	3.837 $\mu A$
74	6.618V	3.809 $\mu A$
75	6.576V	4.478 $\mu A$
76	6.673V	3.979 $\mu A$
77	6.611V	3.888 $\mu A$

Made By: Leo Hsia

Approval: Peter Yang



## High Temperature Reverse Bias Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition:  $100 \pm 5^\circ C, 100\% VR, T = 1000 \text{ hrs}$

Test Date: 2014.05.05 ~ 2014.06.15

Test Standard : JESD22 STANDARD Method-A108

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	$V_{BR}$ (V)	IR ( $\mu A$ )	$V_{BR}$ (V)	IR ( $\mu A$ )
1	6.668V	4.511 $\mu A$	6.791V	3.880 $\mu A$
2	6.785V	3.718 $\mu A$	6.711V	4.313 $\mu A$
3	6.613V	3.984 $\mu A$	6.516V	3.838 $\mu A$
4	6.628V	3.598 $\mu A$	6.551V	3.739 $\mu A$
5	6.549V	3.877 $\mu A$	6.562V	4.361 $\mu A$
6	6.770V	4.502 $\mu A$	6.533V	4.459 $\mu A$
7	6.739V	3.919 $\mu A$	6.726V	3.713 $\mu A$
8	6.651V	3.624 $\mu A$	6.693V	4.262 $\mu A$
9	6.684V	3.960 $\mu A$	6.552V	3.639 $\mu A$
10	6.739V	3.938 $\mu A$	6.784V	4.421 $\mu A$
11	6.669V	4.122 $\mu A$	6.781V	4.421 $\mu A$
12	6.749V	3.942 $\mu A$	6.712V	3.758 $\mu A$
13	6.643V	4.234 $\mu A$	6.565V	3.717 $\mu A$
14	6.527V	3.992 $\mu A$	6.678V	4.505 $\mu A$
15	6.639V	3.848 $\mu A$	6.611V	4.350 $\mu A$
16	6.612V	4.506 $\mu A$	6.664V	3.936 $\mu A$
17	6.625V	4.395 $\mu A$	6.583V	3.921 $\mu A$
18	6.755V	4.166 $\mu A$	6.761V	4.489 $\mu A$
19	6.752V	3.663 $\mu A$	6.521V	4.390 $\mu A$
20	6.569V	4.227 $\mu A$	6.664V	4.241 $\mu A$
21	6.643V	4.276 $\mu A$	6.701V	3.713 $\mu A$
22	6.546V	3.575 $\mu A$	6.578V	4.055 $\mu A$
23	6.591V	4.544 $\mu A$	6.768V	4.355 $\mu A$
24	6.516V	4.136 $\mu A$	6.674V	3.562 $\mu A$
25	6.578V	3.743 $\mu A$	6.534V	4.179 $\mu A$
26	6.728V	3.775 $\mu A$	6.549V	3.977 $\mu A$
27	6.750V	3.997 $\mu A$	6.749V	3.910 $\mu A$
28	6.622V	3.735 $\mu A$	6.734V	3.920 $\mu A$
29	6.737V	3.774 $\mu A$	6.745V	3.775 $\mu A$
30	6.626V	4.094 $\mu A$	6.534V	3.735 $\mu A$



## High Temperature Reverse Bias Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition:  $100 \pm 5^\circ C$ , 100% VR, T = 1000 hrs

Test Date: 2014.05.05 ~ 2014.06.15

Test Standard : JESD22 STANDARD Method-A108

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	$V_{BR}$ (V)	IR ( $\mu A$ )	$V_{BR}$ (V)	IR ( $\mu A$ )
31	6.556V	3.911 $\mu A$	6.532V	3.564 $\mu A$
32	6.602V	4.490 $\mu A$	6.527V	4.073 $\mu A$
33	6.518V	3.878 $\mu A$	6.764V	4.526 $\mu A$
34	6.715V	3.840 $\mu A$	6.570V	4.453 $\mu A$
35	6.596V	4.289 $\mu A$	6.597V	4.262 $\mu A$
36	6.596V	4.330 $\mu A$	6.525V	4.257 $\mu A$
37	6.542V	4.342 $\mu A$	6.649V	4.095 $\mu A$
38	6.703V	3.719 $\mu A$	6.646V	4.168 $\mu A$
39	6.758V	4.240 $\mu A$	6.536V	3.909 $\mu A$
40	6.536V	3.753 $\mu A$	6.641V	3.740 $\mu A$
41	6.663V	4.415 $\mu A$	6.632V	4.036 $\mu A$
42	6.530V	3.883 $\mu A$	6.643V	4.174 $\mu A$
43	6.606V	4.245 $\mu A$	6.638V	4.182 $\mu A$
44	6.671V	4.140 $\mu A$	6.556V	3.808 $\mu A$
45	6.708V	4.174 $\mu A$	6.662V	4.328 $\mu A$
46	6.685V	4.188 $\mu A$	6.563V	4.390 $\mu A$
47	6.713V	4.208 $\mu A$	6.540V	4.346 $\mu A$
48	6.755V	4.105 $\mu A$	6.520V	4.538 $\mu A$
49	6.621V	4.242 $\mu A$	6.556V	4.224 $\mu A$
50	6.750V	4.335 $\mu A$	6.550V	4.160 $\mu A$
51	6.635V	4.399 $\mu A$	6.705V	4.491 $\mu A$
52	6.594V	3.584 $\mu A$	6.788V	3.946 $\mu A$
53	6.687V	3.874 $\mu A$	6.624V	4.012 $\mu A$
54	6.678V	3.620 $\mu A$	6.718V	3.807 $\mu A$
55	6.519V	4.105 $\mu A$	6.679V	3.681 $\mu A$
56	6.566V	4.357 $\mu A$	6.585V	3.918 $\mu A$
57	6.692V	4.087 $\mu A$	6.764V	4.398 $\mu A$
58	6.595V	3.666 $\mu A$	6.759V	3.632 $\mu A$
59	6.600V	3.617 $\mu A$	6.614V	4.490 $\mu A$
60	6.543V	3.990 $\mu A$	6.540V	4.062 $\mu A$





## High Temperature Reverse Bias Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition:  $100 \pm 5^\circ C$ , 100% VR, T = 1000 hrs

Test Date: 2014.05.05 ~ 2014.06.15

Test Standard : JESD22 STANDARD Method-A108

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	$V_{BR}$ (V)	IR ( $\mu A$ )	$V_{BR}$ (V)	IR ( $\mu A$ )
61	6.687V	4.293 $\mu A$	6.531V	3.664 $\mu A$
62	6.625V	4.139 $\mu A$	6.669V	4.320 $\mu A$
63	6.750V	4.544 $\mu A$	6.682V	3.691 $\mu A$
64	6.672V	3.712 $\mu A$	6.530V	3.645 $\mu A$
65	6.645V	4.121 $\mu A$	6.627V	4.099 $\mu A$
66	6.627V	3.943 $\mu A$	6.695V	4.416 $\mu A$
67	6.792V	4.096 $\mu A$	6.750V	4.012 $\mu A$
68	6.782V	4.424 $\mu A$	6.517V	4.472 $\mu A$
69	6.531V	3.745 $\mu A$	6.778V	3.823 $\mu A$
70	6.721V	3.906 $\mu A$	6.624V	4.238 $\mu A$
71	6.766V	4.051 $\mu A$	6.648V	4.521 $\mu A$
72	6.623V	3.649 $\mu A$	6.520V	4.178 $\mu A$
73	6.629V	4.423 $\mu A$	6.756V	4.234 $\mu A$
74	6.653V	3.742 $\mu A$	6.631V	4.061 $\mu A$
75	6.739V	4.123 $\mu A$	6.583V	3.789 $\mu A$
76	6.620V	4.413 $\mu A$	6.722V	4.186 $\mu A$
77	6.668V	4.419 $\mu A$	6.535V	3.637 $\mu A$

Made By: Leo Hsia

Approval: Peter Yang



## High Temperature Storage Life Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition: 150°C, 1000Hrs

Test Date: 2014.05.05 ~ 2014.06.15

Test Standard : JESD22 STANDARD Method-A103

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
1	6.555V	3.976uA	6.618V	4.450uA
2	6.776V	3.692uA	6.638V	3.571uA
3	6.576V	3.930uA	6.740V	4.431uA
4	6.676V	4.129uA	6.559V	3.688uA
5	6.592V	4.005uA	6.598V	3.957uA
6	6.529V	3.929uA	6.773V	3.846uA
7	6.632V	3.974uA	6.545V	4.495uA
8	6.649V	4.219uA	6.776V	4.103uA
9	6.568V	4.460uA	6.537V	3.860uA
10	6.680V	4.027uA	6.625V	3.724uA
11	6.604V	4.537uA	6.546V	3.626uA
12	6.683V	3.923uA	6.672V	4.056uA
13	6.784V	3.628uA	6.523V	3.618uA
14	6.546V	4.459uA	6.650V	4.292uA
15	6.703V	3.916uA	6.652V	3.646uA
16	6.636V	4.539uA	6.627V	3.768uA
17	6.749V	4.464uA	6.704V	4.026uA
18	6.695V	4.467uA	6.633V	3.877uA
19	6.570V	3.673uA	6.559V	3.936uA
20	6.683V	4.252uA	6.732V	4.111uA
21	6.627V	3.884uA	6.661V	4.191uA
22	6.691V	4.107uA	6.548V	3.988uA
23	6.536V	4.444uA	6.763V	3.672uA
24	6.624V	3.619uA	6.689V	4.347uA
25	6.673V	3.679uA	6.747V	3.892uA
26	6.530V	4.275uA	6.790V	4.036uA
27	6.598V	4.004uA	6.732V	4.088uA
28	6.676V	4.196uA	6.563V	4.316uA
29	6.728V	4.314uA	6.752V	4.257uA
30	6.641V	3.746uA	6.592V	4.015uA



## High Temperature Storage Life Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

Test Condition: 150°C, 1000Hrs

Test Date: 2014.05.05 ~ 2014.06.15

Test Standard : JESD22 STANDARD Method-A103

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
31	6.588V	3.714uA	6.641V	3.689uA
32	6.712V	3.888uA	6.602V	3.591uA
33	6.534V	3.992uA	6.576V	4.266uA
34	6.596V	4.009uA	6.736V	4.319uA
35	6.685V	4.479uA	6.552V	4.203uA
36	6.782V	4.395uA	6.603V	3.708uA
37	6.668V	3.695uA	6.749V	3.735uA
38	6.672V	4.541uA	6.569V	4.170uA
39	6.552V	4.132uA	6.681V	4.338uA
40	6.601V	3.768uA	6.563V	3.650uA
41	6.745V	3.572uA	6.577V	4.299uA
42	6.706V	3.824uA	6.563V	4.365uA
43	6.668V	3.695uA	6.624V	3.752uA
44	6.547V	4.423uA	6.693V	3.813uA
45	6.768V	4.148uA	6.660V	4.315uA
46	6.647V	4.516uA	6.569V	4.489uA
47	6.750V	4.250uA	6.691V	3.561uA
48	6.645V	4.288uA	6.596V	4.436uA
49	6.602V	4.335uA	6.550V	3.887uA
50	6.575V	4.241uA	6.683V	3.747uA
51	6.761V	4.505uA	6.693V	4.440uA
52	6.643V	4.325uA	6.778V	4.120uA
53	6.649V	4.173uA	6.649V	4.375uA
54	6.681V	4.217uA	6.573V	3.674uA
55	6.527V	4.285uA	6.766V	4.010uA
56	6.543V	3.569uA	6.723V	3.728uA
57	6.550V	3.582uA	6.651V	4.169uA
58	6.734V	4.366uA	6.556V	3.851uA
59	6.752V	4.541uA	6.739V	4.457uA
60	6.632V	3.770uA	6.607V	4.322uA



## High Temperature Storage Life Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition: 150°C, 1000Hrs

Test Date: 2014.05.05 ~ 2014.06.15

Test Standard : JESD22 STANDARD Method-A103

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
61	6.777V	4.503uA	6.621V	4.386uA
62	6.554V	3.837uA	6.787V	3.675uA
63	6.543V	4.265uA	6.720V	4.150uA
64	6.613V	3.968uA	6.679V	4.295uA
65	6.592V	3.765uA	6.716V	4.209uA
66	6.612V	4.339uA	6.770V	4.177uA
67	6.689V	4.163uA	6.546V	3.756uA
68	6.639V	3.806uA	6.741V	3.742uA
69	6.756V	3.661uA	6.739V	3.783uA
70	6.635V	4.246uA	6.738V	3.576uA
71	6.711V	3.804uA	6.558V	4.027uA
72	6.627V	3.906uA	6.735V	4.338uA
73	6.620V	3.642uA	6.547V	4.004uA
74	6.604V	3.766uA	6.619V	3.847uA
75	6.630V	4.053uA	6.740V	4.527uA
76	6.655V	3.829uA	6.527V	4.301uA
77	6.533V	3.860uA	6.551V	4.486uA

Made By: Leo Hsia

Approval: Peter Yang



# SeCoS Corporation

## Pressure Cooker Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

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

Test Date: 2014.05.05 ~ 2014.05.11

Test Standard : JESD22 STANDARD Method-A102

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
1	6.523V	4.014uA	6.768V	4.275uA
2	6.686V	4.144uA	6.558V	3.602uA
3	6.519V	3.846uA	6.707V	3.725uA
4	6.764V	4.247uA	6.629V	3.597uA
5	6.785V	4.089uA	6.775V	4.508uA
6	6.565V	3.796uA	6.516V	4.029uA
7	6.734V	4.188uA	6.691V	3.608uA
8	6.766V	3.944uA	6.673V	4.087uA
9	6.785V	3.990uA	6.610V	3.936uA
10	6.701V	4.168uA	6.753V	4.151uA
11	6.759V	4.536uA	6.741V	4.079uA
12	6.777V	4.467uA	6.683V	3.804uA
13	6.673V	4.463uA	6.566V	3.607uA
14	6.557V	3.912uA	6.722V	3.570uA
15	6.746V	4.035uA	6.663V	4.092uA
16	6.772V	4.071uA	6.673V	4.428uA
17	6.697V	3.755uA	6.791V	3.821uA
18	6.732V	4.543uA	6.532V	3.857uA
19	6.666V	4.361uA	6.765V	4.212uA
20	6.516V	3.798uA	6.756V	3.859uA
21	6.699V	4.392uA	6.614V	4.539uA
22	6.770V	4.077uA	6.587V	4.233uA
23	6.538V	3.911uA	6.571V	3.992uA
24	6.610V	4.309uA	6.682V	4.539uA
25	6.766V	4.394uA	6.668V	3.845uA
26	6.790V	4.172uA	6.644V	3.993uA
27	6.709V	3.760uA	6.747V	4.168uA
28	6.540V	4.529uA	6.608V	4.212uA
29	6.673V	3.720uA	6.779V	4.241uA
30	6.774V	4.288uA	6.556V	3.788uA



# SeCoS Corporation

## Pressure Cooker Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

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

Test Date: 2014.05.05 ~ 2014.05.11

Test Standard : JESD22 STANDARD Method-A102

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
31	6.654V	3.977uA	6.725V	3.713uA
32	6.539V	4.155uA	6.533V	3.645uA
33	6.542V	3.902uA	6.583V	4.134uA
34	6.557V	3.863uA	6.766V	4.358uA
35	6.534V	3.950uA	6.556V	3.611uA
36	6.623V	3.710uA	6.668V	4.500uA
37	6.764V	4.187uA	6.566V	3.837uA
38	6.722V	4.248uA	6.664V	3.894uA
39	6.722V	4.065uA	6.551V	3.953uA
40	6.671V	3.591uA	6.525V	3.975uA
41	6.785V	4.525uA	6.728V	4.023uA
42	6.543V	4.387uA	6.728V	4.399uA
43	6.786V	3.959uA	6.744V	3.748uA
44	6.725V	3.889uA	6.626V	3.687uA
45	6.673V	3.970uA	6.740V	4.281uA
46	6.656V	3.999uA	6.660V	4.294uA
47	6.647V	4.274uA	6.736V	4.213uA
48	6.782V	3.919uA	6.653V	3.652uA
49	6.697V	4.455uA	6.667V	3.862uA
50	6.742V	4.328uA	6.603V	3.710uA
51	6.639V	4.502uA	6.661V	4.211uA
52	6.782V	3.784uA	6.791V	4.522uA
53	6.661V	3.995uA	6.746V	4.372uA
54	6.662V	4.350uA	6.613V	3.970uA
55	6.681V	4.334uA	6.767V	4.517uA
56	6.732V	3.952uA	6.750V	4.454uA
57	6.615V	4.288uA	6.770V	3.948uA
58	6.551V	4.332uA	6.713V	4.388uA
59	6.538V	4.220uA	6.653V	3.612uA
60	6.723V	4.019uA	6.760V	4.198uA



# SeCoS Corporation

## Pressure Cooker Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA$ ,  $IR < 5\mu A @ VR = 5V$

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

Test Date: 2014.05.05 ~ 2014.05.11

Test Standard : JESD22 STANDARD Method-A102

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	$V_{BR}$ (V)	IR ( $\mu A$ )	$V_{BR}$ (V)	IR ( $\mu A$ )
61	6.621V	3.643 $\mu A$	6.639V	4.292 $\mu A$
62	6.701V	4.005 $\mu A$	6.789V	4.160 $\mu A$
63	6.561V	4.362 $\mu A$	6.626V	3.925 $\mu A$
64	6.778V	4.332 $\mu A$	6.600V	4.528 $\mu A$
65	6.717V	3.849 $\mu A$	6.528V	4.335 $\mu A$
66	6.543V	3.562 $\mu A$	6.667V	3.759 $\mu A$
67	6.749V	3.968 $\mu A$	6.765V	3.818 $\mu A$
68	6.600V	4.327 $\mu A$	6.616V	4.527 $\mu A$
69	6.662V	4.107 $\mu A$	6.625V	4.056 $\mu A$
70	6.516V	3.580 $\mu A$	6.765V	4.239 $\mu A$
71	6.640V	3.932 $\mu A$	6.606V	3.825 $\mu A$
72	6.730V	3.639 $\mu A$	6.608V	3.700 $\mu A$
73	6.674V	4.190 $\mu A$	6.748V	4.455 $\mu A$
74	6.598V	3.829 $\mu A$	6.530V	4.186 $\mu A$
75	6.789V	3.601 $\mu A$	6.522V	4.045 $\mu A$
76	6.550V	3.840 $\mu A$	6.655V	3.615 $\mu A$
77	6.610V	4.158 $\mu A$	6.677V	3.796 $\mu A$

Made By: Leo Hsia

Approval: Peter Yang



# SeCoS Corporation

## Temperature Cycle Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

Test Condition: -55°C/30min, 150°C/30min, for1000 Cycle

Test Date: 2014.05.05 ~ 2014.06.25

Test Standard : JESD22 STANDARD Method-A104

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
1	6.677V	4.401uA	6.754V	3.732uA
2	6.577V	3.896uA	6.572V	4.314uA
3	6.594V	3.605uA	6.681V	3.666uA
4	6.669V	4.056uA	6.724V	3.831uA
5	6.657V	4.253uA	6.641V	4.197uA
6	6.686V	3.921uA	6.745V	4.047uA
7	6.650V	3.949uA	6.711V	4.364uA
8	6.659V	4.003uA	6.750V	3.755uA
9	6.700V	4.424uA	6.606V	3.917uA
10	6.786V	4.433uA	6.658V	4.099uA
11	6.782V	4.184uA	6.747V	3.624uA
12	6.714V	4.347uA	6.699V	3.688uA
13	6.572V	4.455uA	6.525V	4.267uA
14	6.692V	4.119uA	6.601V	4.547uA
15	6.682V	3.681uA	6.562V	3.910uA
16	6.524V	4.252uA	6.612V	3.721uA
17	6.604V	4.274uA	6.589V	3.574uA
18	6.672V	3.913uA	6.626V	3.724uA
19	6.745V	4.210uA	6.757V	4.028uA
20	6.586V	4.293uA	6.723V	3.807uA
21	6.581V	3.859uA	6.677V	4.409uA
22	6.664V	4.074uA	6.756V	4.140uA
23	6.655V	4.023uA	6.649V	4.332uA
24	6.544V	4.168uA	6.654V	3.761uA
25	6.718V	4.100uA	6.597V	4.238uA
26	6.719V	3.665uA	6.647V	4.456uA
27	6.642V	3.723uA	6.687V	4.262uA
28	6.721V	4.283uA	6.773V	3.654uA
29	6.692V	4.046uA	6.697V	4.285uA
30	6.603V	3.847uA	6.759V	4.427uA





# SeCoS Corporation

## Temperature Cycle Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA$ ,  $IR < 5\mu A @ VR = 5V$

Test Condition:  $-55^{\circ}C/30min$ ,  $150^{\circ}C/30min$ , for 1000 Cycle

Test Date: 2014.05.05 ~ 2014.06.25

Test Standard : JESD22 STANDARD Method-A104

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	$V_{BR}$ (V)	IR ( $\mu A$ )	$V_{BR}$ (V)	IR ( $\mu A$ )
31	6.531V	3.685 $\mu A$	6.752V	3.734 $\mu A$
32	6.636V	4.126 $\mu A$	6.711V	3.733 $\mu A$
33	6.748V	4.240 $\mu A$	6.724V	4.347 $\mu A$
34	6.533V	3.933 $\mu A$	6.631V	4.481 $\mu A$
35	6.657V	3.779 $\mu A$	6.709V	4.470 $\mu A$
36	6.675V	3.979 $\mu A$	6.618V	4.303 $\mu A$
37	6.551V	4.239 $\mu A$	6.568V	3.927 $\mu A$
38	6.632V	4.507 $\mu A$	6.595V	4.407 $\mu A$
39	6.678V	4.126 $\mu A$	6.585V	3.669 $\mu A$
40	6.757V	4.005 $\mu A$	6.751V	4.092 $\mu A$
41	6.556V	4.278 $\mu A$	6.551V	4.322 $\mu A$
42	6.527V	4.045 $\mu A$	6.651V	4.227 $\mu A$
43	6.649V	4.040 $\mu A$	6.695V	4.547 $\mu A$
44	6.562V	3.841 $\mu A$	6.633V	4.364 $\mu A$
45	6.589V	4.549 $\mu A$	6.698V	4.240 $\mu A$
46	6.552V	4.463 $\mu A$	6.688V	4.256 $\mu A$
47	6.722V	3.714 $\mu A$	6.613V	4.369 $\mu A$
48	6.739V	4.012 $\mu A$	6.688V	3.888 $\mu A$
49	6.718V	4.214 $\mu A$	6.682V	3.896 $\mu A$
50	6.793V	4.321 $\mu A$	6.752V	3.839 $\mu A$
51	6.579V	4.145 $\mu A$	6.687V	4.203 $\mu A$
52	6.550V	4.283 $\mu A$	6.726V	3.958 $\mu A$
53	6.549V	4.145 $\mu A$	6.615V	3.609 $\mu A$
54	6.711V	4.307 $\mu A$	6.700V	4.154 $\mu A$
55	6.585V	4.547 $\mu A$	6.596V	4.269 $\mu A$
56	6.536V	3.820 $\mu A$	6.708V	3.727 $\mu A$
57	6.517V	3.901 $\mu A$	6.721V	3.884 $\mu A$
58	6.783V	4.434 $\mu A$	6.724V	4.196 $\mu A$
59	6.775V	3.588 $\mu A$	6.573V	4.206 $\mu A$
60	6.756V	4.418 $\mu A$	6.649V	4.125 $\mu A$



# SeCoS Corporation

## Temperature Cycle Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

Test Condition: -55°C/30min, 150°C/30min, for1000 Cycle

Test Date: 2014.05.05 ~ 2014.06.25

Test Standard : JESD22 STANDARD Method-A104

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
61	6.555V	4.372uA	6.651V	3.975uA
62	6.696V	4.264uA	6.683V	3.647uA
63	6.645V	4.510uA	6.755V	3.896uA
64	6.616V	3.918uA	6.765V	3.594uA
65	6.554V	3.765uA	6.733V	3.953uA
66	6.727V	4.339uA	6.541V	4.046uA
67	6.718V	3.800uA	6.775V	4.172uA
68	6.583V	3.592uA	6.783V	4.145uA
69	6.565V	3.676uA	6.572V	3.775uA
70	6.627V	3.920uA	6.573V	4.327uA
71	6.649V	4.403uA	6.697V	4.392uA
72	6.640V	4.008uA	6.794V	4.347uA
73	6.538V	4.386uA	6.692V	3.849uA
74	6.718V	4.203uA	6.762V	3.928uA
75	6.694V	3.595uA	6.763V	3.803uA
76	6.581V	3.624uA	6.618V	3.867uA
77	6.607V	4.138uA	6.550V	3.783uA

Made By: Leo Hsia

Approval: Peter Yang



## High Temperature High Humidity Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

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

Test Date: 2014.05.11 ~ 2014.06.23

Test Standard : JESD22 STANDARD Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
1	6.783V	4.131uA	6.663V	4.047uA
2	6.677V	4.259uA	6.523V	4.352uA
3	6.695V	4.494uA	6.745V	3.793uA
4	6.741V	3.953uA	6.712V	3.771uA
5	6.711V	3.948uA	6.677V	3.960uA
6	6.743V	3.616uA	6.523V	3.708uA
7	6.775V	4.368uA	6.696V	3.704uA
8	6.664V	3.904uA	6.519V	4.116uA
9	6.564V	3.918uA	6.619V	4.277uA
10	6.709V	3.946uA	6.565V	4.304uA
11	6.612V	4.488uA	6.704V	3.799uA
12	6.568V	4.121uA	6.599V	3.816uA
13	6.607V	3.872uA	6.678V	4.145uA
14	6.740V	4.488uA	6.532V	3.998uA
15	6.652V	3.687uA	6.589V	4.296uA
16	6.562V	4.337uA	6.737V	4.371uA
17	6.759V	4.199uA	6.556V	4.464uA
18	6.760V	4.122uA	6.631V	4.081uA
19	6.673V	4.167uA	6.600V	3.646uA
20	6.705V	4.175uA	6.603V	3.844uA
21	6.752V	3.943uA	6.544V	3.782uA
22	6.691V	4.500uA	6.605V	4.177uA
23	6.746V	3.779uA	6.591V	4.344uA
24	6.624V	3.816uA	6.705V	4.333uA
25	6.714V	3.737uA	6.544V	3.763uA
26	6.706V	4.513uA	6.730V	4.462uA
27	6.529V	3.809uA	6.644V	3.802uA
28	6.578V	4.253uA	6.660V	4.526uA
29	6.541V	4.501uA	6.772V	3.962uA
30	6.737V	3.752uA	6.673V	4.344uA



## High Temperature High Humidity Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

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

Test Date: 2014.05.11 ~ 2014.06.23

Test Standard : JESD22 STANDARD Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
31	6.700V	3.597uA	6.625V	4.127uA
32	6.561V	3.626uA	6.708V	4.246uA
33	6.793V	4.012uA	6.672V	4.239uA
34	6.524V	3.935uA	6.752V	3.578uA
35	6.691V	4.042uA	6.765V	3.654uA
36	6.677V	3.797uA	6.659V	4.368uA
37	6.685V	4.317uA	6.518V	3.763uA
38	6.555V	4.149uA	6.656V	4.528uA
39	6.773V	4.027uA	6.591V	3.958uA
40	6.544V	4.296uA	6.552V	3.748uA
41	6.791V	4.199uA	6.595V	3.834uA
42	6.527V	3.720uA	6.730V	3.777uA
43	6.737V	4.124uA	6.674V	4.010uA
44	6.684V	4.369uA	6.557V	3.754uA
45	6.639V	4.245uA	6.612V	3.684uA
46	6.644V	4.302uA	6.527V	3.566uA
47	6.601V	4.453uA	6.594V	4.242uA
48	6.643V	4.049uA	6.722V	4.027uA
49	6.644V	4.018uA	6.627V	3.628uA
50	6.526V	3.707uA	6.707V	4.119uA
51	6.585V	3.900uA	6.757V	4.287uA
52	6.599V	4.477uA	6.787V	4.223uA
53	6.703V	4.136uA	6.550V	3.853uA
54	6.601V	3.983uA	6.554V	4.165uA
55	6.564V	4.270uA	6.589V	4.330uA
56	6.555V	3.809uA	6.708V	4.492uA
57	6.681V	3.950uA	6.721V	3.807uA
58	6.584V	3.759uA	6.770V	4.493uA
59	6.765V	4.106uA	6.649V	3.727uA
60	6.790V	3.570uA	6.710V	4.195uA



## High Temperature High Humidity Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA, IR < 5\mu A @ VR = 5V$

Test Condition:  $85 \pm 2^\circ C, 85 \pm 5\% RH, 1000Hrs$

Test Date: 2014.05.11 ~ 2014.06.23

Test Standard : JESD22 STANDARD Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	$V_{BR}$ (V)	IR ( $\mu A$ )	$V_{BR}$ (V)	IR ( $\mu A$ )
61	6.551V	3.819 $\mu A$	6.760V	3.754 $\mu A$
62	6.730V	3.603 $\mu A$	6.532V	3.646 $\mu A$
63	6.783V	3.904 $\mu A$	6.704V	3.982 $\mu A$
64	6.627V	4.365 $\mu A$	6.564V	3.654 $\mu A$
65	6.552V	4.256 $\mu A$	6.626V	4.433 $\mu A$
66	6.569V	3.852 $\mu A$	6.760V	3.716 $\mu A$
67	6.539V	3.652 $\mu A$	6.709V	4.468 $\mu A$
68	6.635V	4.537 $\mu A$	6.735V	4.201 $\mu A$
69	6.541V	4.169 $\mu A$	6.523V	3.583 $\mu A$
70	6.520V	4.427 $\mu A$	6.547V	4.123 $\mu A$
71	6.619V	3.576 $\mu A$	6.705V	4.540 $\mu A$
72	6.741V	3.565 $\mu A$	6.595V	3.611 $\mu A$
73	6.616V	4.437 $\mu A$	6.707V	4.535 $\mu A$
74	6.684V	4.384 $\mu A$	6.657V	4.169 $\mu A$
75	6.518V	4.165 $\mu A$	6.769V	3.946 $\mu A$
76	6.634V	4.464 $\mu A$	6.697V	4.284 $\mu A$
77	6.571V	4.064 $\mu A$	6.639V	3.996 $\mu A$

Made By: Leo Hsia

Approval: Peter Yang



## High Temper High Humidity Reverse Bies Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

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

Test Date: 2014.05.11 ~ 2014.06.23

Test Standard : JESD22 STANDARD Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
1	6.552V	4.068uA	6.732V	3.810uA
2	6.643V	3.867uA	6.712V	4.079uA
3	6.714V	4.451uA	6.587V	4.538uA
4	6.629V	4.458uA	6.781V	4.461uA
5	6.645V	4.045uA	6.787V	4.375uA
6	6.553V	4.345uA	6.584V	4.265uA
7	6.535V	4.123uA	6.747V	4.182uA
8	6.792V	4.147uA	6.586V	4.540uA
9	6.619V	3.857uA	6.672V	3.626uA
10	6.597V	4.077uA	6.697V	3.717uA
11	6.552V	4.409uA	6.561V	4.075uA
12	6.543V	3.617uA	6.752V	3.656uA
13	6.562V	4.475uA	6.545V	4.083uA
14	6.533V	3.609uA	6.724V	4.157uA
15	6.609V	4.239uA	6.743V	3.727uA
16	6.655V	4.165uA	6.546V	4.323uA
17	6.772V	3.631uA	6.788V	4.408uA
18	6.794V	4.249uA	6.627V	3.945uA
19	6.678V	4.317uA	6.792V	4.297uA
20	6.655V	3.710uA	6.704V	3.819uA
21	6.582V	3.849uA	6.533V	4.160uA
22	6.684V	4.144uA	6.548V	4.303uA
23	6.675V	3.977uA	6.636V	3.878uA
24	6.665V	4.044uA	6.743V	4.523uA
25	6.720V	3.614uA	6.659V	4.037uA
26	6.546V	3.910uA	6.645V	3.632uA
27	6.690V	4.330uA	6.739V	4.355uA
28	6.793V	4.440uA	6.644V	4.256uA
29	6.617V	3.790uA	6.546V	4.330uA
30	6.521V	4.026uA	6.675V	4.162uA



## High Temper High Humidity Reverse Bies Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition : 6V>VBR>7.2V@I1=1mA, IR<5uA@VR=5V

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

Test Date: 2014.05.11 ~ 2014.06.23

Test Standard : JESD22 STANDARD Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	V <sub>BR</sub> (V)	IR (uA)	V <sub>BR</sub> (V)	IR (uA)
31	6.582V	3.620uA	6.550V	3.622uA
32	6.532V	3.721uA	6.560V	4.028uA
33	6.770V	4.201uA	6.551V	3.564uA
34	6.585V	3.582uA	6.767V	4.290uA
35	6.778V	3.692uA	6.763V	3.781uA
36	6.676V	4.258uA	6.575V	4.150uA
37	6.648V	4.118uA	6.522V	4.078uA
38	6.732V	4.077uA	6.545V	3.822uA
39	6.782V	3.577uA	6.688V	4.270uA
40	6.743V	3.719uA	6.666V	3.987uA
41	6.710V	3.954uA	6.522V	3.646uA
42	6.649V	4.364uA	6.598V	4.246uA
43	6.774V	3.841uA	6.541V	4.345uA
44	6.584V	4.273uA	6.741V	4.502uA
45	6.613V	4.199uA	6.634V	4.012uA
46	6.551V	4.027uA	6.727V	4.026uA
47	6.768V	4.046uA	6.668V	3.563uA
48	6.604V	4.070uA	6.534V	3.642uA
49	6.782V	4.426uA	6.761V	3.771uA
50	6.746V	4.487uA	6.632V	3.707uA
51	6.584V	4.142uA	6.673V	3.968uA
52	6.765V	4.197uA	6.746V	3.846uA
53	6.590V	3.835uA	6.756V	3.633uA
54	6.750V	3.819uA	6.557V	3.665uA
55	6.782V	4.219uA	6.531V	4.371uA
56	6.728V	3.975uA	6.744V	4.227uA
57	6.738V	3.824uA	6.609V	3.977uA
58	6.765V	3.882uA	6.543V	3.845uA
59	6.662V	4.320uA	6.632V	3.835uA
60	6.707V	4.532uA	6.685V	3.608uA



## High Temper High Humidity Reverse Bies Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA$ ,  $IR < 5\mu A @ VR = 5V$

Test Condition:  $85 \pm 2^\circ C$ ,  $85 \pm 5\% RH$ , 1000Hrs

Test Date: 2014.05.11 ~ 2014.06.23

Test Standard : JESD22 STANDARD Method-A101

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	$V_{BR}$ (V)	IR ( $\mu A$ )	$V_{BR}$ (V)	IR ( $\mu A$ )
61	6.534V	4.018 $\mu A$	6.550V	3.894 $\mu A$
62	6.584V	3.804 $\mu A$	6.655V	3.933 $\mu A$
63	6.757V	4.314 $\mu A$	6.693V	4.287 $\mu A$
64	6.746V	3.721 $\mu A$	6.748V	3.997 $\mu A$
65	6.616V	4.104 $\mu A$	6.653V	3.702 $\mu A$
66	6.698V	4.018 $\mu A$	6.547V	4.161 $\mu A$
67	6.597V	3.959 $\mu A$	6.604V	3.700 $\mu A$
68	6.577V	3.580 $\mu A$	6.551V	3.625 $\mu A$
69	6.534V	3.915 $\mu A$	6.518V	3.734 $\mu A$
70	6.656V	4.109 $\mu A$	6.729V	4.291 $\mu A$
71	6.661V	4.237 $\mu A$	6.595V	4.130 $\mu A$
72	6.576V	4.001 $\mu A$	6.705V	3.987 $\mu A$
73	6.594V	4.322 $\mu A$	6.659V	3.795 $\mu A$
74	6.623V	4.176 $\mu A$	6.691V	4.525 $\mu A$
75	6.746V	4.112 $\mu A$	6.562V	3.925 $\mu A$
76	6.577V	3.747 $\mu A$	6.546V	3.902 $\mu A$
77	6.656V	4.162 $\mu A$	6.659V	3.789 $\mu A$

Made By: Leo Hsia

Approval: Peter Yang





# SeCoS Corporation

## Solderability Test Data

Report No : T140630-040

Part No : KS05M5

Test Equipment: JUNO Test System DTS-1000

Test Condition :  $6V > V_{BR} > 7.2V @ I_1 = 1mA$ ,  $IR < 5\mu A @ VR = 5V$

Test Condition:  $245^{\circ}C \pm 5^{\circ}C$ , 5Sec

Test Date: 2014.06.28 ~ 2014.06.28

Test Standard : JESD22 STANDER Method-B102

Operator: Leo Hsia

Test Result: PASS

No	Before		After	
	$V_{BR}$ (V)	IR ( $\mu A$ )	$V_{BR}$ (V)	IR ( $\mu A$ )
1	6.726V	3.629 $\mu A$	6.541V	4.072 $\mu A$
2	6.738V	3.899 $\mu A$	6.711V	3.651 $\mu A$
3	6.525V	4.155 $\mu A$	6.578V	4.088 $\mu A$
4	6.519V	3.878 $\mu A$	6.790V	3.944 $\mu A$
5	6.706V	4.443 $\mu A$	6.704V	3.992 $\mu A$
6	6.677V	4.143 $\mu A$	6.660V	4.506 $\mu A$
7	6.590V	3.883 $\mu A$	6.630V	3.698 $\mu A$
8	6.661V	3.667 $\mu A$	6.692V	3.615 $\mu A$
9	6.595V	4.079 $\mu A$	6.773V	3.961 $\mu A$
10	6.730V	3.931 $\mu A$	6.783V	4.008 $\mu A$

Made By: Leo Hsia

Approval: Peter Yang