

Fuse On-Going Reliability Test Summary Report - 0ALCX Fuse series

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Reference	Test Description	Testing Condition	Acceptance Criteria	Result
UL248-1	Cold resistance	Ambient temperature:23±5°C, ≤10 % testing current, test point: fuse cap	Record the real data	50A/60A/70A: 12/12 pass 80A:22/22 pass
ISO8820-8 JSAE JASO D622	Temperature rise test	Apply 0.5 In test current at Ambient temperature:23±5°C	The temperature rise shall not exceed 50K	2/2 pass
JASO D622 6.3.4.1	Temperature and humidity cycle	In accordance with the standard, the fuse-links shall undergo constant temperature humidity chamber for 10 times repeatedly,24 hours/cycle	No appearance damage, Rc change <10%	50A/60A/70A: 2/2 pass 80A: 4/4 pass
JASO D622 6.3.6	Thermal shock resistance test	-30°C~100°C, total 48 cycles	No appearance damage, Rc change <10%	50A/60A/70A: 2/2 pass 80A: 4/4 pass
User-defined	High temperature storage test	Put samples in 125°C for 100 hours	No appearance damage, Rc change <10%	50A/60A/70A: 2/2 pass 80A: 4/4 pass
50A/60A/70A : JASO D622 6.3.3 80A:QC/T895-2011, Sec.7.8.1	Vibration durability test	50A/60A/70A : Ambient temperature:23±5°C,frequency range:10Hz-55Hz,1.5mm between the peaks, 2 hours in each of 3 mutually perpendicular directions, total of 6 hours 80A: Ambient temperature: 23±5°C, install the sample on the vibration table, vibration according to parameter-sweep frequency, 10~25Hz / amplitude 1.2mm, 25~500Hz / acceleration 30m/sec ² , X / Y / Z three directions vibration for 8 hours	No appearance damage, Rc change <10%	50A/60A/70A: 2/2 pass 80A: 4/4 pass
JASO D622 6.3.2	Transient current intermittent cycle durability test	Ambient temperature:23±5°C, The initial peak transient current shall be adjusted to 2In/0.25sec, subsequent 0.5In/15sec, Then, apply the current up to 50000 cycles repeatedly.	No appearance damage, Rc change <10%	50A/60A/70A: 2/2 pass 80A: 4/4 pass
GB/T31465.1-5.4	Wipe with petrol and lubricant	Wipe the marking with petrol and lubricant for 30 seconds	The marking still legible	50A/60A/70A: 12/12 pass 80A: 4/4 pass
JSAE JASO D622 ISO8820-8	Terminal strength test	Install and dismantle fuse with 4.5+/-1Nm, Install and dismantle fuse three times	The fuse shall remain physically intact	50A/60A/70A: 12/12 pass 80A: 6/6 pass

Reported By: Hongguo Hu

Approved by: Simon Chiu

Test Complete Date: May 3 , 2022

Cold resistance

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : UL248-1

Ambient temperature:23±5°C,<=10 % testing current, test point: fuse cap

Type:		0ALCX 50A		End Date:		9/6/2019	
Start Date:		9/6/2019		Room Humi.:		66 %	
Room Temp.:		25.7 °C		Room Humi.:		66 %	
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check		
Unit:	mΩ		Unit:	mΩ			
Upper Limit:	2.150	No Visual Damage	Upper Limit:	2.150	No Visual Damage		
Lower Limit:	1.350		Lower Limit:	1.350			
1	1.781	pass	7	1.780	pass		
2	1.754	pass	8	1.777	pass		
3	1.793	pass	9	1.763	pass		
4	1.780	pass	10	1.761	pass		
5	1.777	pass	11	1.755	pass		
6	1.779	pass	12	1.782	pass		

Type:		0ALCX 60A		End Date:		9/6/2019	
Start Date:		9/6/2019		Room Humi.:		66 %	
Room Temp.:		25.7 °C		Room Humi.:		66 %	
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check		
Unit:	mΩ		Unit:	mΩ			
Upper Limit:	1.830	No Visual Damage	Upper Limit:	1.830	No Visual Damage		
Lower Limit:	1.150		Lower Limit:	1.150			
1	1.472	pass	7	1.476	pass		
2	1.496	pass	8	1.501	pass		
3	1.476	pass	9	1.495	pass		
4	1.495	pass	10	1.487	pass		
5	1.486	pass	11	1.488	pass		
6	1.493	pass	12	1.496	pass		

Type:		0ALCX 70A		End Date:		9/6/2019	
Start Date:		9/6/2019		Room Humi.:		66 %	
Room Temp.:		25.7 °C		Room Humi.:		66 %	
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check		
Unit:	mΩ		Unit:	mΩ			
Upper Limit:	1.490	No Visual Damage	Upper Limit:	1.490	No Visual Damage		
Lower Limit:	0.930		Lower Limit:	0.930			
1	1.230	pass	7	1.213	pass		
2	1.217	pass	8	1.211	pass		
3	1.207	pass	9	1.198	pass		
4	1.218	pass	10	1.212	pass		
5	1.197	pass	11	1.225	pass		
6	1.203	pass	12	1.207	pass		

Type:		0ALCX 80A		End Date:		4/4/2022	
Start Date:		4/4/2022		Room Humi.:		62 %	
Room Temp.:		24.5 °C		Room Humi.:		62 %	
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check		
Unit:	mΩ		Unit:	mΩ			
Upper Limit:	1.250	No Visual Damage	Upper Limit:	1.250	No Visual Damage		
Lower Limit:	0.850		Lower Limit:	0.850			
1	1.111	pass	12	1.090	pass		
2	1.104	pass	13	1.101	pass		
3	1.088	pass	14	1.076	pass		
4	1.091	pass	15	1.083	pass		
5	1.089	pass	16	1.081	pass		
6	1.082	pass	17	1.088	pass		
7	1.082	pass	18	1.067	pass		
8	1.081	pass	19	1.084	pass		
9	1.077	pass	20	1.084	pass		
10	1.080	pass	21	1.083	pass		
11	1.096	pass	22	1.093	pass		

Temperature rise test

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : ISO8820-8JSAE JASO D622

Apply 0.5 In test current at Ambient temperature:23±5°C

Type:	0ALCX 50A					
Start Date:	9/9/2019			End Date:	9/9/2019	
Room Temp.:	24.9	°C		Room Humi.:	41	%
No.\Name	Temperature rise @0.5In	Visual Check	No.\Name	Temperature rise @0.5In	Visual Check	
Unit:	K		Unit:	K		
Upper Limit:	50	No Visual Damage	Upper Limit:	50	No Visual Damage	
Lower Limit:			Lower Limit:			
1	19.3	pass	2	18.8	pass	

Type:	0ALCX 60A					
Start Date:	9/10/2019			End Date:	9/10/2019	
Room Temp.:	24.9	°C		Room Humi.:	41	%
No.\Name	Temperature rise @0.5In	Visual Check	No.\Name	Temperature rise @0.5In	Visual Check	
Unit:	K		Unit:	K		
Upper Limit:	50	No Visual Damage	Upper Limit:	50	No Visual Damage	
Lower Limit:			Lower Limit:			
1	20.9	pass	2	22.3	pass	

Type:	0ALCX 70A					
Start Date:	9/10/2019			End Date:	9/10/2019	
Room Temp.:	24.9	°C		Room Humi.:	41	%
No.\Name	Temperature rise @0.5In	Visual Check	No.\Name	Temperature rise @0.5In	Visual Check	
Unit:	K		Unit:	K		
Upper Limit:	50	No Visual Damage	Upper Limit:	50	No Visual Damage	
Lower Limit:			Lower Limit:			
1	23.6	pass	2	21.4	pass	

Type:	0ALCX 80A					
Start Date:	4/4/2022			End Date:	4/5/2022	
Room Temp.:	24.5	°C		Room Humi.:	3/2/1900	%
No.\Name	Temperature rise @0.5In	Visual Check	No.\Name	Temperature rise @0.5In	Visual Check	
Unit:	K		Unit:	K		
Upper Limit:	50	No Visual Damage	Upper Limit:	50	No Visual Damage	
Lower Limit:			Lower Limit:			
1	30.2	pass	2	29.5	pass	

Temperature and humidity cycle

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

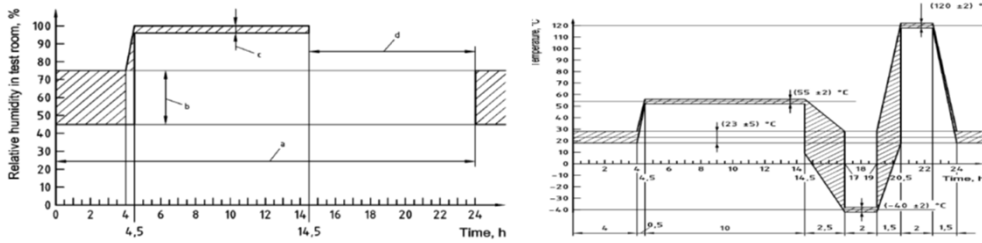
Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : JASO D622 6.3.4.1

In accordance with the standard, the fuse-links shall undergo constant temperature humidity chamber for 10 times repeatedly, 24 hours/cycle



Type:	0ALCX 50A					
Start Date:	9/6/2019			End Date:	9/19/2019	
Room Temp.:	24.7	°C		Room Humi.:	55	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check	
Unit:	mΩ		Unit:	mΩ		
Upper Limit:	1.972	No Visual	Upper Limit:	1.958	No Visual	
Lower Limit:	1.614	Damage	Lower Limit:	1.602	Damage	
3	1.806	pass	4	1.795	pass	

Type:	0ALCX 60A					
Start Date:	9/6/2019			End Date:	9/19/2019	
Room Temp.:	24.7	°C		Room Humi.:	55	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check	
Unit:	mΩ		Unit:	mΩ		
Upper Limit:	1.624	No Visual	Upper Limit:	1.645	No Visual	
Lower Limit:	1.328	Damage	Lower Limit:	1.346	Damage	
3	1.485	pass	4	1.507	pass	

Type:	0ALCX 70A					
Start Date:	9/6/2019			End Date:	9/19/2019	
Room Temp.:	24.7	°C		Room Humi.:	55	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check	
Unit:	mΩ		Unit:	mΩ		
Upper Limit:	1.328	No Visual	Upper Limit:	1.340	No Visual	
Lower Limit:	1.086	Damage	Lower Limit:	1.096	Damage	
3	1.215	pass	4	1.227	pass	

Type:	0ALCX 80A					
Start Date:	4/14/2022			End Date:	4/28/2022	
Room Temp.:	24.3	°C		Room Humi.:	63	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check	
Unit:	mΩ		Unit:	mΩ		
Upper Limit:	1.197	No Visual	Upper Limit:	1.200	No Visual	
Lower Limit:	0.979	Damage	Lower Limit:	0.982	Damage	
3	1.091	pass	4	1.099	pass	
Upper Limit:	1.198	No Visual	Upper Limit:	1.190	No Visual	
Lower Limit:	0.980	Damage	Lower Limit:	0.974	Damage	
5	1.102	pass	6	1.091	pass	





Thermal shock resistance test

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : JASO D622 6.3.6

-30°C~100°C, total 48 cycles

The condition of a single cycle:

-Leave the test pieces inside the room at (-30±2)°C for 30 minutes.

-Move then to another room at (100±2)°C within 15 seconds and leave them for 30 minutes.

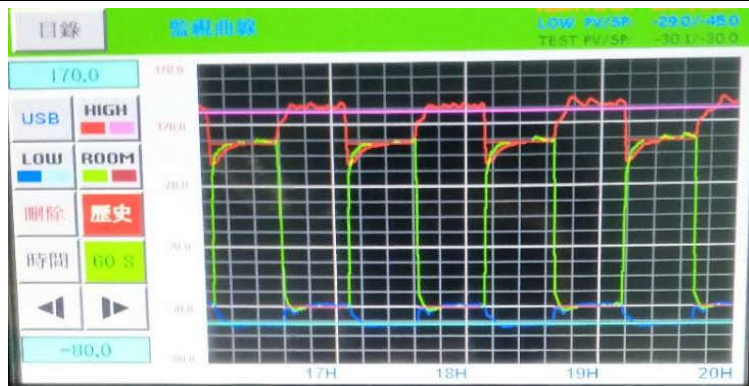
-Move them back to the original room at (-30±2)°C within 15 seconds. One cycle shall be 60 minutes.

Type:	0ALCX 50A				
Start Date:	9/11/2019			End Date:	9/14/2019
Room Temp.:	24.9	°C		Room Humi.:	57 %
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.955	No Visual Damage	Upper Limit:	1.957	No Visual Damage
Lower Limit:	1.599		Lower Limit:	1.601	
5	1.787	pass	6	1.785	pass

Type:	0ALCX 60A				
Start Date:	9/11/2019			End Date:	9/14/2019
Room Temp.:	24.9	°C		Room Humi.:	57 %
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.635	No Visual Damage	Upper Limit:	1.642	No Visual Damage
Lower Limit:	1.337		Lower Limit:	1.344	
5	1.493	pass	6	1.504	pass

Type:	0ALCX 70A				
Start Date:	9/11/2019			End Date:	9/14/2019
Room Temp.:	24.9	°C		Room Humi.:	57 %
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.317	No Visual Damage	Upper Limit:	1.323	No Visual Damage
Lower Limit:	1.077		Lower Limit:	1.083	
5	1.204	pass	6	1.214	pass

Type:	0ALCX 80A				
Start Date:	4/8/2022			End Date:	4/12/2022
Room Temp.:	25	°C		Room Humi.:	66 %
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.190	No Visual Damage	Upper Limit:	1.189	No Visual Damage
Lower Limit:	0.974		Lower Limit:	0.973	
7	1.100	pass	8	1.097	pass
Upper Limit:	1.185	No Visual Damage	Upper Limit:	1.188	No Visual Damage
Lower Limit:	0.969		Lower Limit:	0.972	
9	1.090	pass	10	1.082	pass



High temperature storage test

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : User-defined

Put samples in 125°C for 100 hours

Type:	0ALCX 50A				
Start Date:	9/12/2019			End Date:	9/18/2019
Room Temp.:	24.1	°C		Room Humi.:	66 %
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.958	No Visual Damage	Upper Limit:	1.955	No Visual Damage
Lower Limit:	1.602		Lower Limit:	1.599	
7	1.791	pass	8	1.785	pass

Type:	0ALCX 60A				
Start Date:	9/12/2019			End Date:	9/18/2019
Room Temp.:	24.1	°C		Room Humi.:	66 %
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.624	No Visual Damage	Upper Limit:	1.651	No Visual Damage
Lower Limit:	1.328		Lower Limit:	1.351	
7	1.486	pass	8	1.513	pass

Type:	0ALCX 70A				
Start Date:	9/12/2019			End Date:	9/18/2019
Room Temp.:	24.1	°C		Room Humi.:	66 %
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.334	No Visual Damage	Upper Limit:	1.332	No Visual Damage
Lower Limit:	1.092		Lower Limit:	1.090	
7	1.221	pass	8	1.218	pass

Type:	0ALCX 80A				
Start Date:	4/12/2022			End Date:	4/18/2022
Room Temp.:	24.8	°C		Room Humi.:	60 %
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.206	No Visual Damage	Upper Limit:	1.199	No Visual Damage
Lower Limit:	0.986		Lower Limit:	0.981	
11	1.104	pass	12	1.095	pass
Upper Limit:	1.211	No Visual Damage	Upper Limit:	1.184	No Visual Damage
Lower Limit:	0.991		Lower Limit:	0.968	
13	1.113	pass	14	1.081	pass



Vibration durability test

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : 50A/60A/70A : JASO D622 6.3.3 80A:QC/T895-2011, Sec.7.8.1

50A/60A/70A : Ambient temperature:23±5°C,frequency range:10Hz-55Hz,1.5mm between the peaks, 2 hours in each of 3 mutually perpendicular directions, total of 6 hours

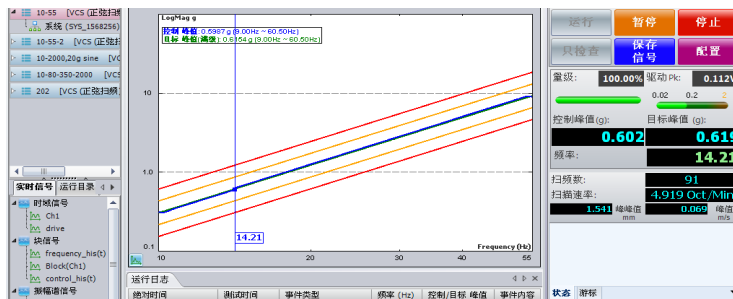
80A: Ambient temperature: 23±5°C, install the sample on the vibration table, vibration according to parameter-sweep frequency, 10~25Hz / amplitude 1.2mm, 25~500Hz / acceleration 30m/sec², X / Y / Z three directions vibration for 8 hours

Type:	0ALCX 50A				
Start Date:	9/21/2019		End Date:	9/26/2019	
Room Temp.:	24.5	°C	Room Humi.:	58	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.939	No Visual Damage	Upper Limit:	1.937	No Visual Damage
Lower Limit:	1.587		Lower Limit:	1.585	
9	1.773	pass	10	1.775	pass

Type:	0ALCX 60A				
Start Date:	9/21/2019		End Date:	9/26/2019	
Room Temp.:	24.5	°C	Room Humi.:	58	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.645	No Visual Damage	Upper Limit:	1.636	No Visual Damage
Lower Limit:	1.346		Lower Limit:	1.338	
9	1.506	pass	10	1.495	pass

Type:	0ALCX 70A				
Start Date:	9/21/2019		End Date:	9/26/2019	
Room Temp.:	24.5	°C	Room Humi.:	58	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.318	No Visual Damage	Upper Limit:	1.333	No Visual Damage
Lower Limit:	1.078		Lower Limit:	1.091	
9	1.207	pass	10	1.219	pass

Type:	0ALCX 80A				
Start Date:	4/11/2022		End Date:	4/14/2022	
Room Temp.:	24.5	°C	Room Humi.:	63	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check
Unit:	mΩ		Unit:	mΩ	
Upper Limit:	1.191	No Visual Damage	Upper Limit:	1.189	No Visual Damage
Lower Limit:	0.975		Lower Limit:	0.973	
15	1.087	pass	16	1.084	pass
Upper Limit:	1.197	No Visual Damage	Upper Limit:	1.174	No Visual Damage
Lower Limit:	0.979		Lower Limit:	0.960	
17	1.097	pass	18	1.071	pass



Transient current intermittent cycle durability test

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : JASO D622 6.3.2

Ambient temperature:23±5°C,

The initial peak transient current shall be adjusted to 2In/0.25sec, subsequent 0.5In/ 15sec, Then, apply the current up to 50000 cycles repeatedly.

Type:	0ALCX 50A					
Start Date:	9/10/2019			End Date:	9/22/2019	
Room Temp.:	25.7	°C		Room Humi.:	61	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check	
Unit:	mΩ		Unit:	mΩ		
Upper Limit:	1.931	No Visual Damage	Upper Limit:	1.960	No Visual Damage	
Lower Limit:	1.580		Lower Limit:	1.604		
11	1.773	pass	12	1.794	pass	

Type:	0ALCX 60A					
Start Date:	9/10/2019			End Date:	9/22/2019	
Room Temp.:	25.7	°C		Room Humi.:	61	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check	
Unit:	mΩ		Unit:	mΩ		
Upper Limit:	1.637	No Visual Damage	Upper Limit:	1.646	No Visual Damage	
Lower Limit:	1.339		Lower Limit:	1.346		
11	1.497	pass	12	1.506	pass	

Type:	0ALCX 70A					
Start Date:	9/10/2019			End Date:	9/22/2019	
Room Temp.:	25.7	°C		Room Humi.:	61	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check	
Unit:	mΩ		Unit:	mΩ		
Upper Limit:	1.348	No Visual Damage	Upper Limit:	1.328	No Visual Damage	
Lower Limit:	1.103		Lower Limit:	1.086		
11	1.237	pass	12	1.218	pass	

Type:	0ALCX 80A					
Start Date:	4/7/2022			End Date:	4/19/2022	
Room Temp.:	24.9	°C		Room Humi.:	61	%
No.\Name	Cold Resistance	Visual Check	No.\Name	Cold Resistance	Visual Check	
Unit:	mΩ		Unit:	mΩ		
Upper Limit:	1.192	No Visual Damage	Upper Limit:	1.192	No Visual Damage	
Lower Limit:	0.976		Lower Limit:	0.976		
19	1.092	pass	20	1.087	pass	
Upper Limit:	1.191	No Visual Damage	Upper Limit:	1.202	No Visual Damage	
Lower Limit:	0.975		Lower Limit:	0.984		
21	1.089	pass	22	1.101	pass	

Wipe with petrol and lubricant

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : GB/T31465.1-5.4

Wipe the marking with petrol and lubricant for 30 seconds

Type:	0ALCX 50A			End Date:	9/28/2019	
Start Date:	9/28/2019			Room Humi.:	63	%
Room Temp.:	25.1	°C		No.\Name		
No.\Name	Marking still legible		No.\Name	Marking still legible		
1	pass		7	pass		
2	pass		8	pass		
3	pass		9	pass		
4	pass		10	pass		
5	pass		11	pass		
6	pass		12	pass		

Type:	0ALCX 60A			End Date:	9/28/2019	
Start Date:	9/28/2019			Room Humi.:	63	%
Room Temp.:	25.1	°C		No.\Name		
No.\Name	Marking still legible		No.\Name	Marking still legible		
1	pass		7	pass		
2	pass		8	pass		
3	pass		9	pass		
4	pass		10	pass		
5	pass		11	pass		
6	pass		12	pass		

Type:	0ALCX 70A			End Date:	9/28/2019	
Start Date:	9/28/2019			Room Humi.:	63	%
Room Temp.:	25.1	°C		No.\Name		
No.\Name	Marking still legible		No.\Name	Marking still legible		
1	pass		7	pass		
2	pass		8	pass		
3	pass		9	pass		
4	pass		10	pass		
5	pass		11	pass		
6	pass		12	pass		

Type:	0ALCX 80A			End Date:	4/29/2022	
Start Date:	4/29/2022			Room Humi.:	62	%
Room Temp.:	25	°C		No.\Name		
No.\Name	Marking still legible		No.\Name	Marking still legible		
3	pass		9	pass		
5	pass		12	pass		

Terminal strength test

Fuse Type and Rating : 0ALCX 50A/60A/70A/80A

Production Lot Number : ENG'samples

Project Number : FPQ-157

Fuse Part Number : 0ALCB9500-BD/0ALCB9600-BD/0ALCB9700-BD/0ALCB9800-BD

Condition : JSAE JASO D622ISO8820-8

Install and dismantle fuse with 4.5+/-1Nm, Install and dismantle fuse three times

Type:		0ALCX 50A		End Date:		9/26/2019	
Start Date:		9/9/2019		Room Humi.:		63 %	
Room Temp.:		25.1 °C					
No.\Name	The frequency of Install and dismantle	Visual Check	No.\Name	The frequency of Install and dismantle	Visual Check		
Unit:			Unit:				
Upper Limit:	3	No Visual Damage	Upper Limit:	3	No Visual Damage		
Lower Limit:			Lower Limit:				
1	>3	pass	7	>3	pass		
2	>3	pass	8	>3	pass		
3	>3	pass	9	>3	pass		
4	>3	pass	10	>3	pass		
5	>3	pass	11	>3	pass		
6	>3	pass	12	>3	pass		

Type:		0ALCX 60A		End Date:		9/26/2019	
Start Date:		9/9/2019		Room Humi.:		63 %	
Room Temp.:		25.1 °C					
No.\Name	The frequency of Install and dismantle	Visual Check	No.\Name	The frequency of Install and dismantle	Visual Check		
Unit:			Unit:				
Upper Limit:	3	No Visual Damage	Upper Limit:	3	No Visual Damage		
Lower Limit:			Lower Limit:				
1	>3	pass	7	>3	pass		
2	>3	pass	8	>3	pass		
3	>3	pass	9	>3	pass		
4	>3	pass	10	>3	pass		
5	>3	pass	11	>3	pass		
6	>3	pass	12	>3	pass		

Type:		0ALCX 70A		End Date:		9/26/2019	
Start Date:		9/9/2019		Room Humi.:		63 %	
Room Temp.:		25.1 °C					
No.\Name	The frequency of Install and dismantle	Visual Check	No.\Name	The frequency of Install and dismantle	Visual Check		
Unit:			Unit:				
Upper Limit:	3	No Visual Damage	Upper Limit:	3	No Visual Damage		
Lower Limit:			Lower Limit:				
1	>3	pass	7	>3	pass		
2	>3	pass	8	>3	pass		
3	>3	pass	9	>3	pass		
4	>3	pass	10	>3	pass		
5	>3	pass	11	>3	pass		
6	>3	pass	12	>3	pass		

Type:		0ALCX 80A		End Date:		4/29/2022	
Start Date:		4/9/2022		Room Humi.:		63 %	
Room Temp.:		25.1 °C					
No.\Name	The frequency of Install and dismantle	Visual Check	No.\Name	The frequency of Install and dismantle	Visual Check		
Unit:			Unit:				
Upper Limit:	3	No Visual Damage	Upper Limit:	3	No Visual Damage		
Lower Limit:			Lower Limit:				
1	>3	pass	13	>3	pass		
4	>3	pass	15	>3	pass		
6	>3	pass	19	>3	pass		