



Reliability Data

Snap-In Aluminum Electrolytic Capacitors

KMR series

Test:

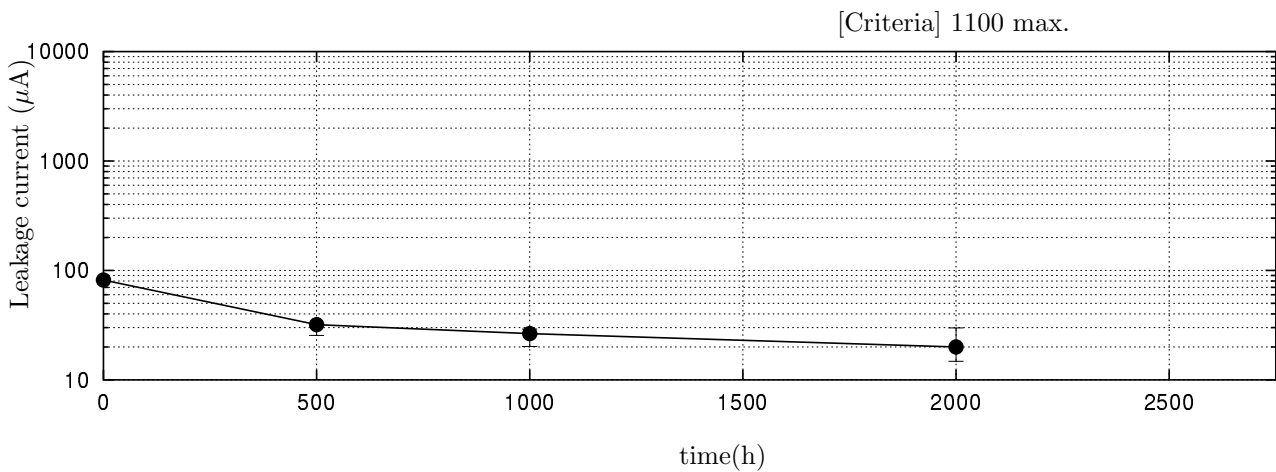
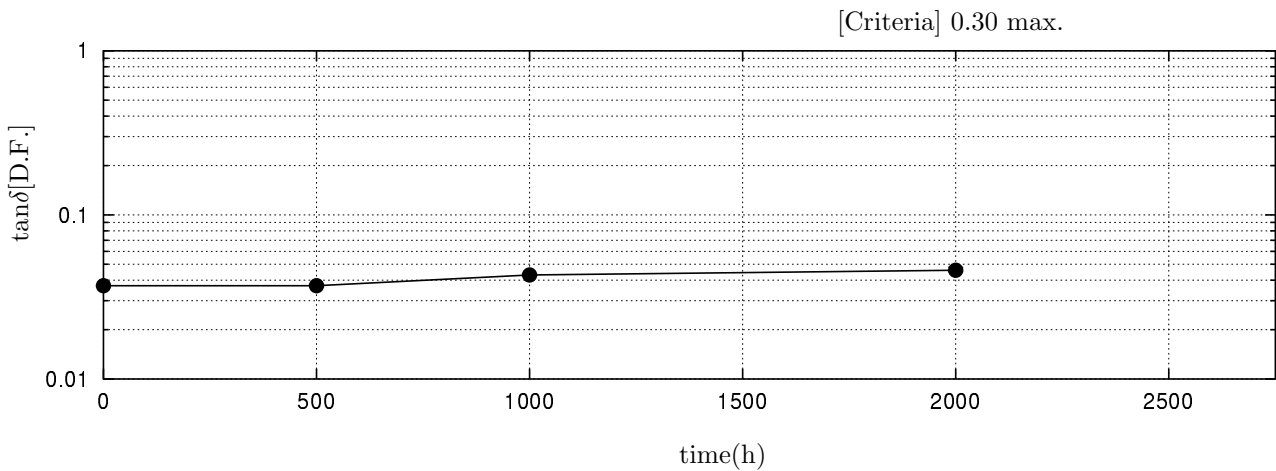
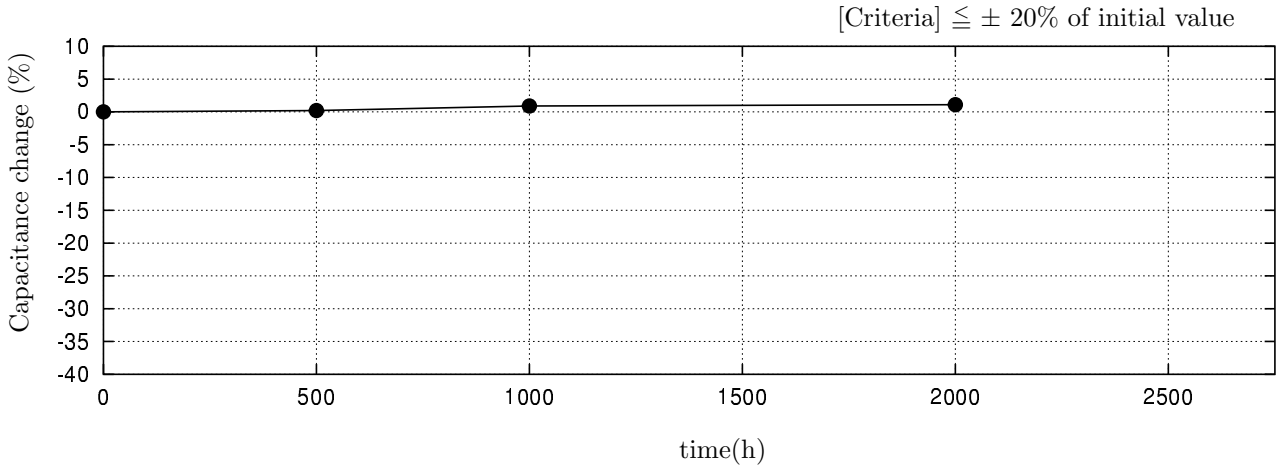
Endurance
Shelf life
Temperature Characteristics
Frequency Characteristics

Item:

EKMR201VSN681MQ30S (200V680 μ F, ϕ 25.4 \times 30L)
EKMR401VSN681MR50S (400V680 μ F, ϕ 30 \times 50L)
EKMR451VSN271MQ40S (450V270 μ F, ϕ 25.4 \times 40L)

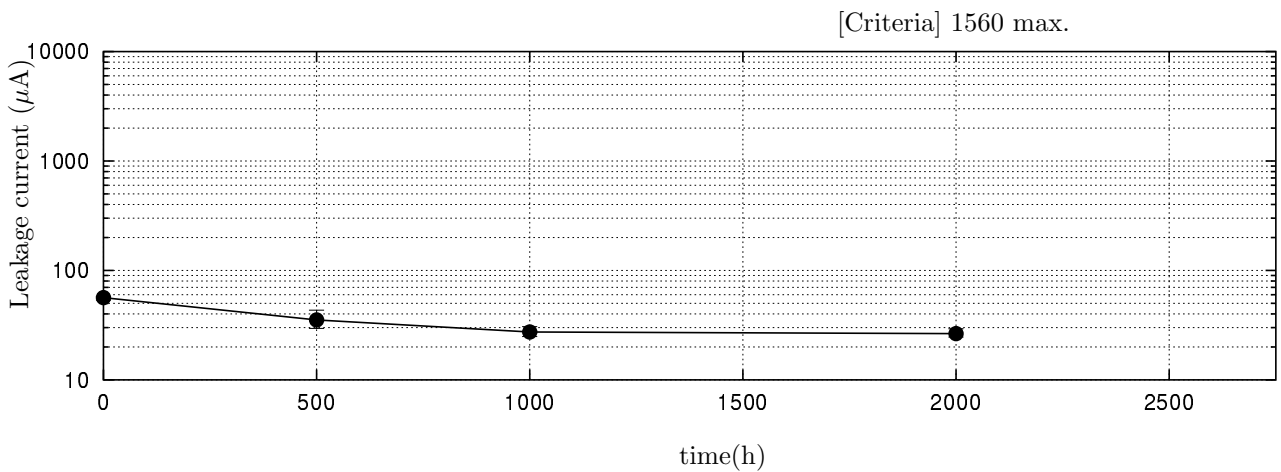
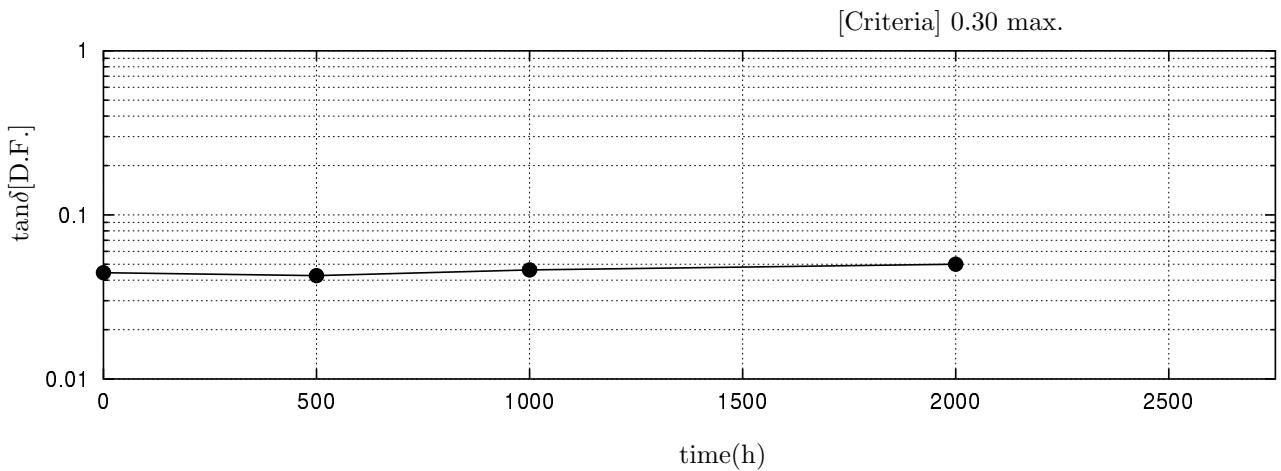
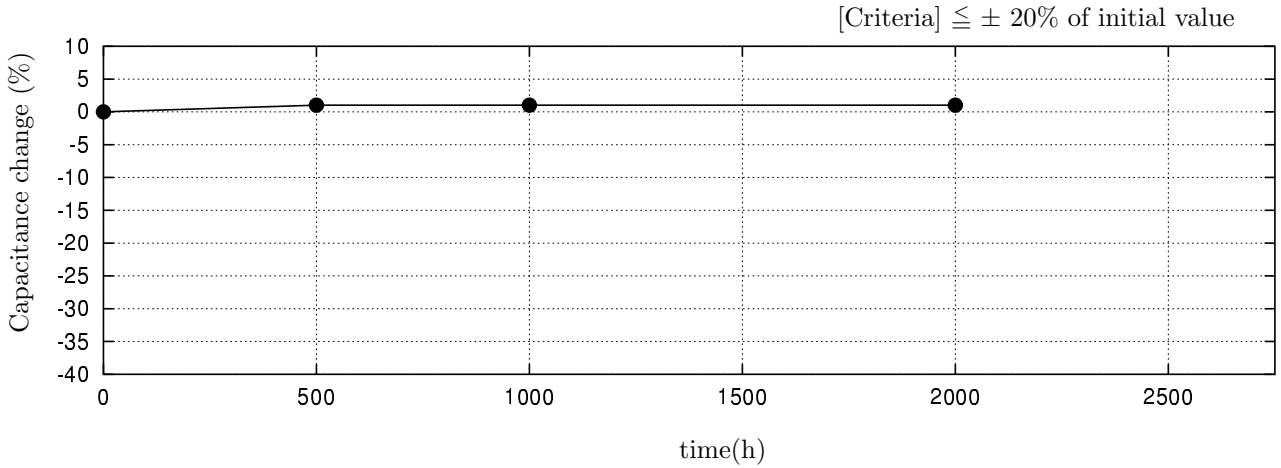
Aluminum Electrolytic Capacitor Reliability data

Test name		Endurance			
Test temp.	105 (°C)	Leakage Current (Volt)	200 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	5 (min)	Measurement Freq.	120 (Hz)
Ripple Current	1.77 (Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	120 (Hz)			Specified Period of Time	2000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMR201VSN681MQ30S	200	680	φ 25.4×30 L	6



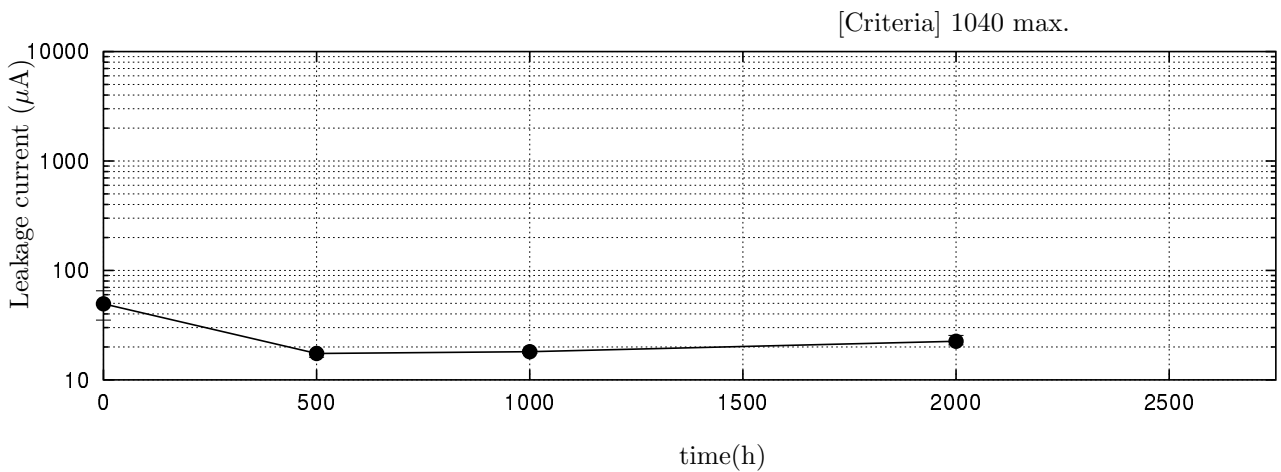
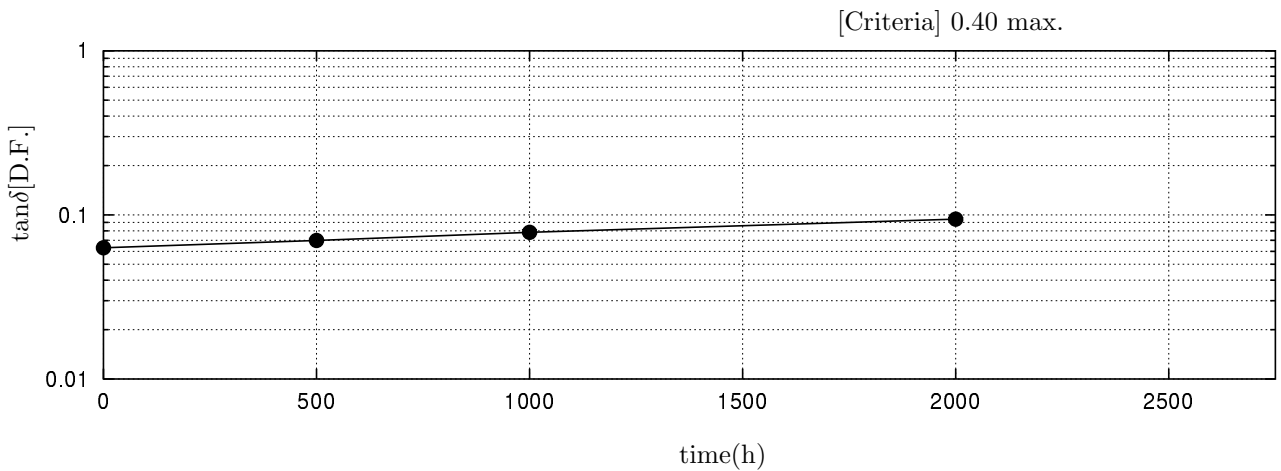
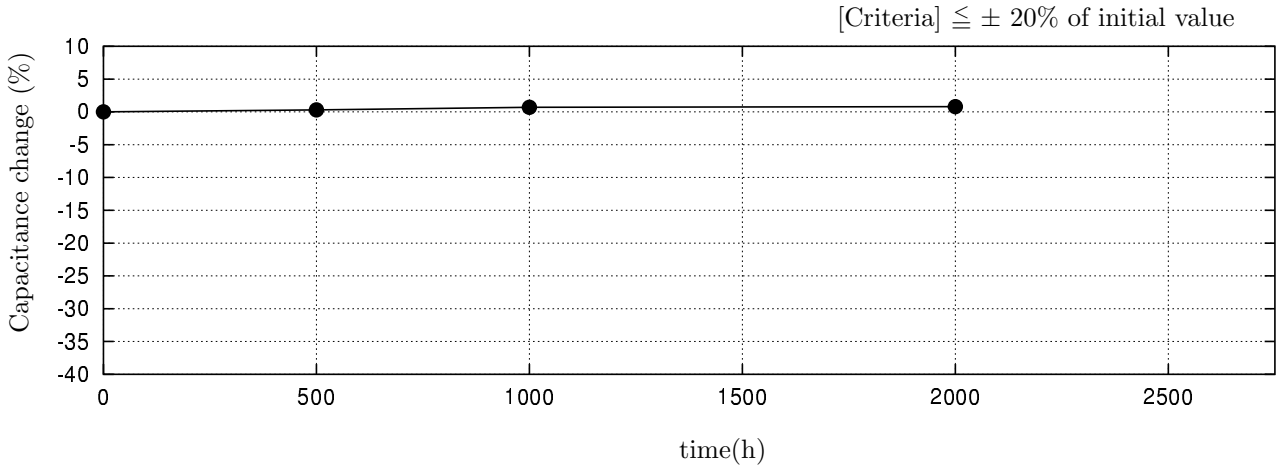
Aluminum Electrolytic Capacitor Reliability data

Test name		Endurance			
Test temp.	105 (°C)	Leakage Current (Volt)	400 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	5 (min)	Measurement Freq.	120Hz (Hz)
Ripple Current	2.15 (Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	120 (Hz)			Specified Period of Time	2000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMR401VSN681MR50S	400	680	φ 30×50 L	6



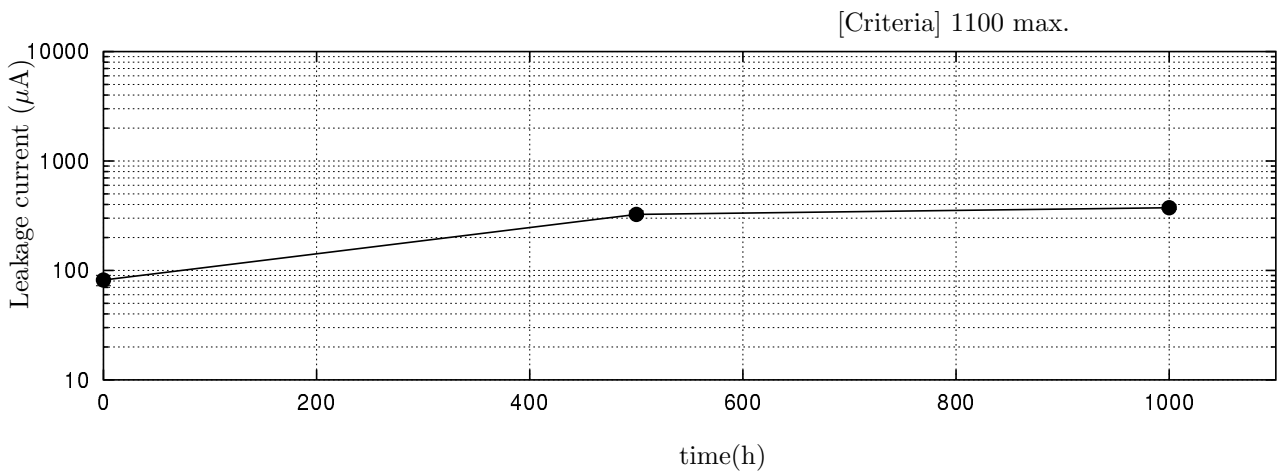
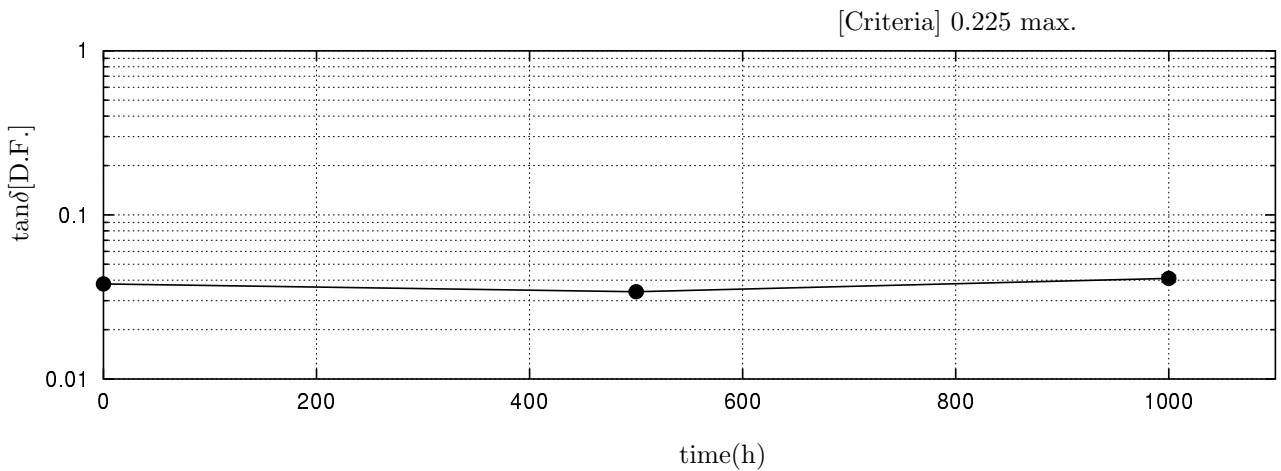
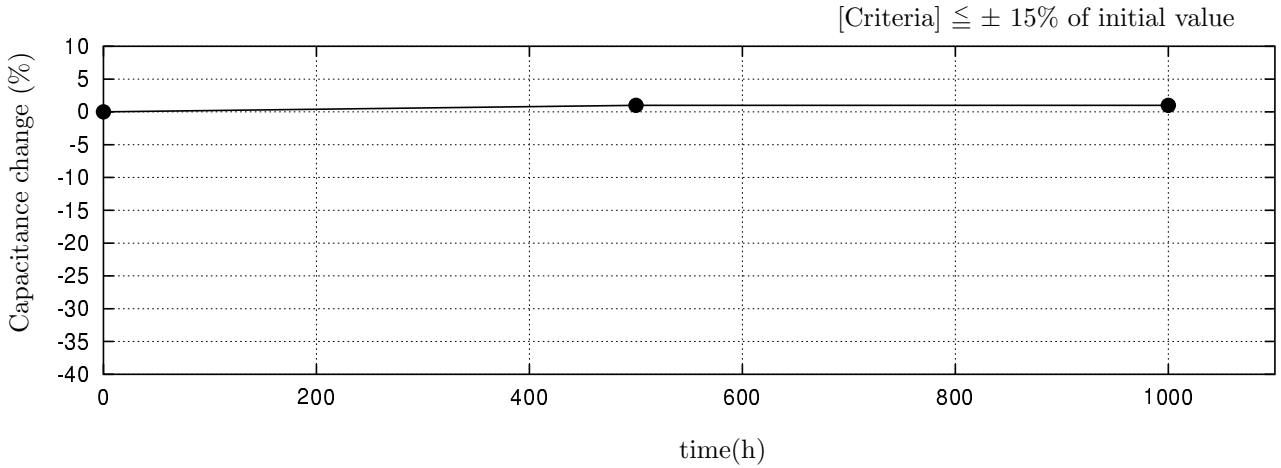
Aluminum Electrolytic Capacitor Reliability data

Test name		Endurance			
Test temp.	105 (°C)	Leakage Current (Volt)	450 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	5 (min)	Measurement Freq.	120 (Hz)
Ripple Current	1.32 (Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	120 (Hz)			Specified Period of Time	2000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMR451VSN271MQ40S	450	270	φ 25.4×40 L	6



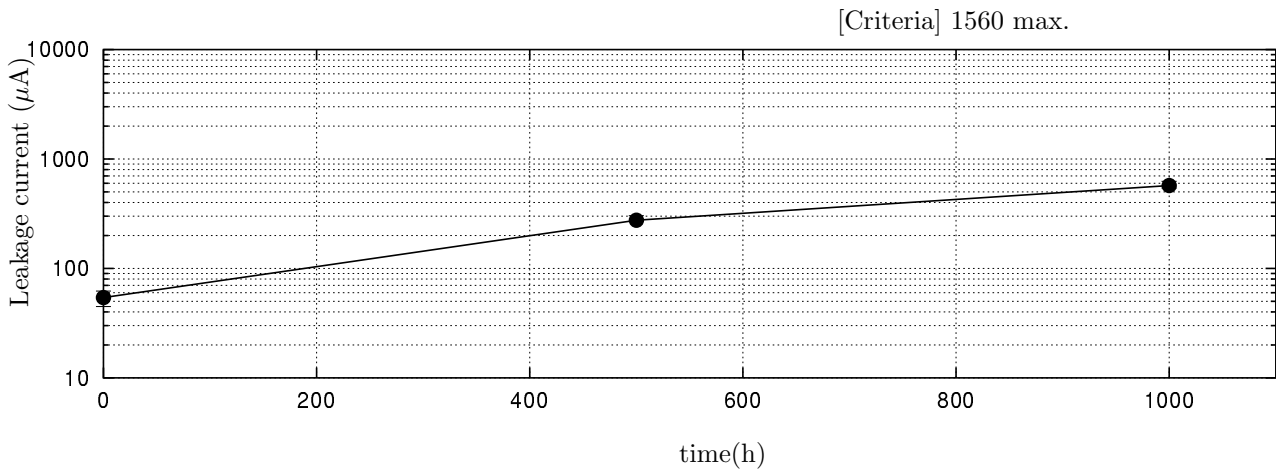
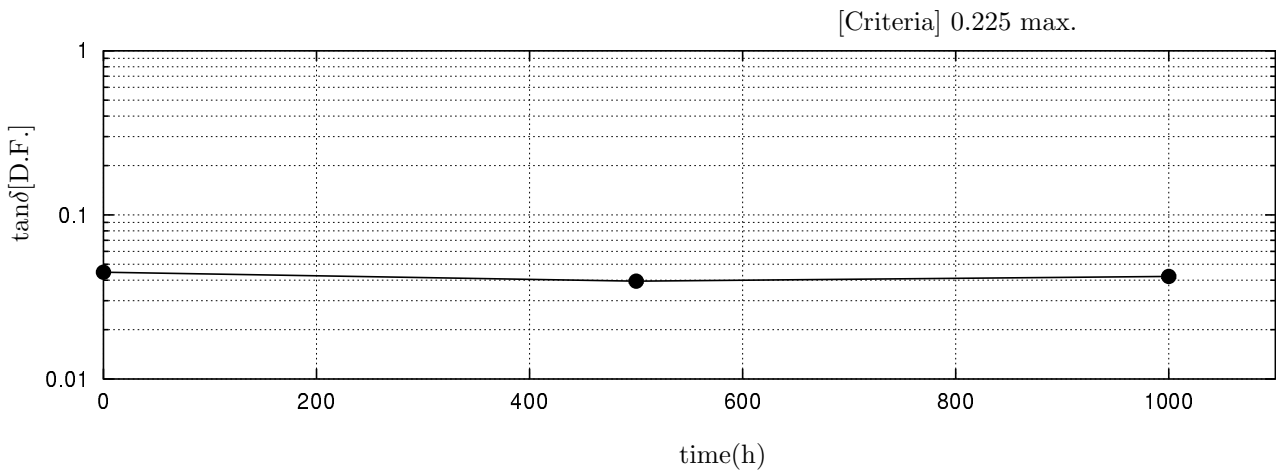
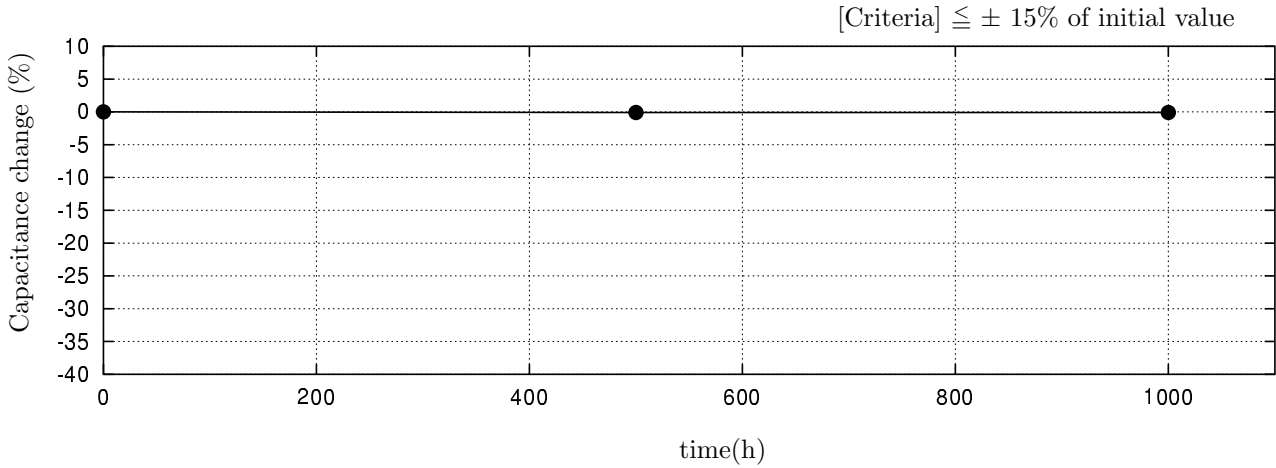
Aluminum Electrolytic Capacitor Reliability data

Test name		Shelf life			
Test temp.	105 (°C)	Leakage Current (Volt)	200 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	5 (min)	Measurement Freq.	120 (Hz)
Ripple Current	(Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	(Hz)			Specified Period of Time	1000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMR201VSN681MQ30S	200	680	φ 25.4×30 L	10



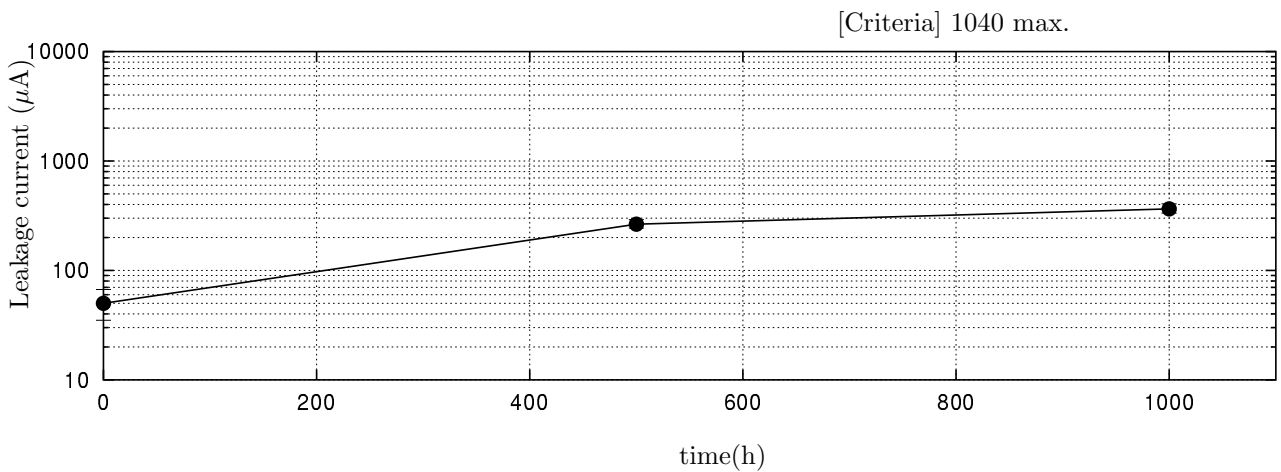
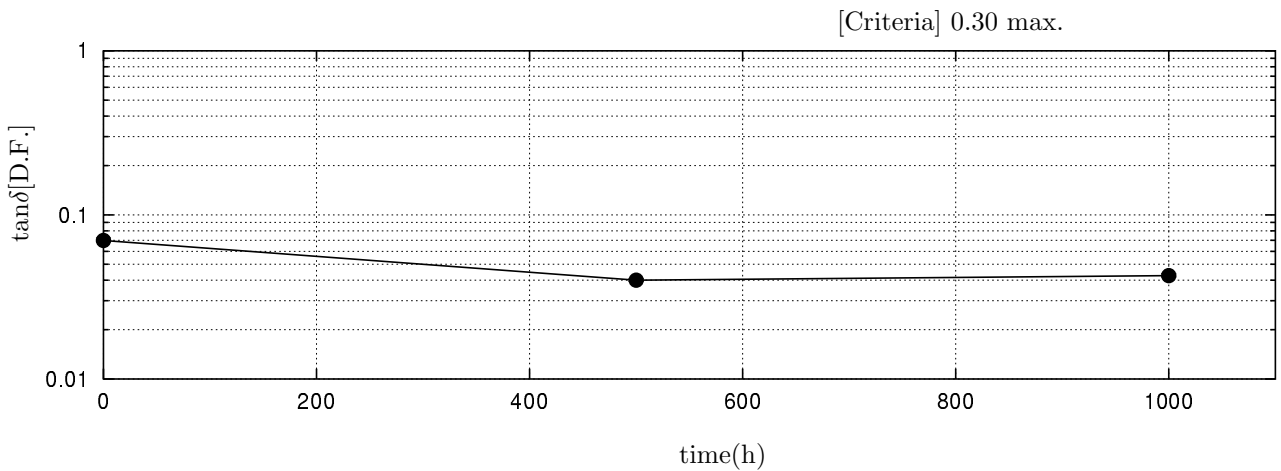
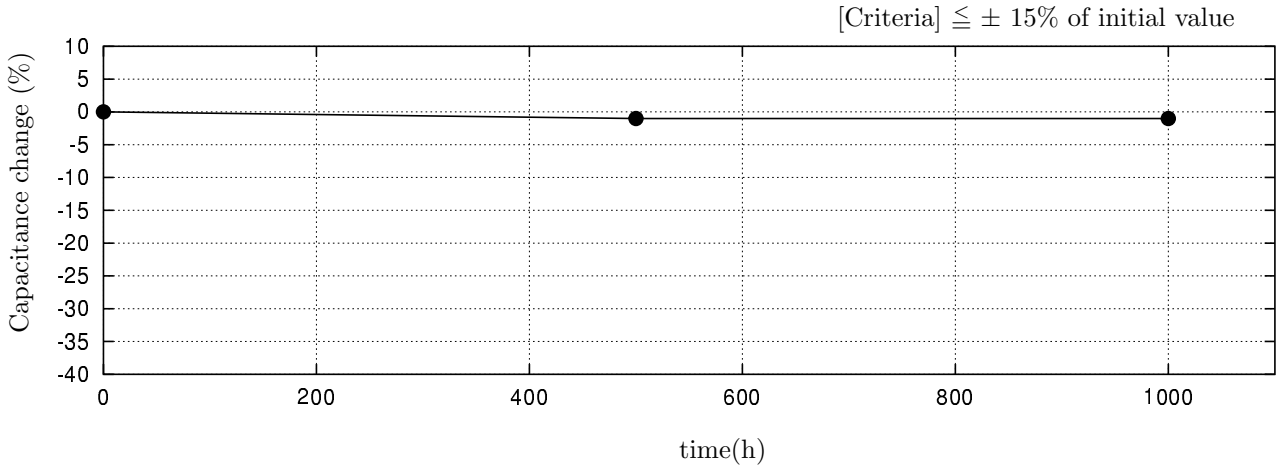
Aluminum Electrolytic Capacitor Reliability data

Test name		Shelf life			
Test temp.	105 (°C)	Leakage Current (Volt)	400 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	5 (min)	Measurement Freq.	(Hz)
Ripple Current	(Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	(Hz)			Specified Period of Time	1000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMR401VSN681MR50S	400	680	φ 30×50 L	10



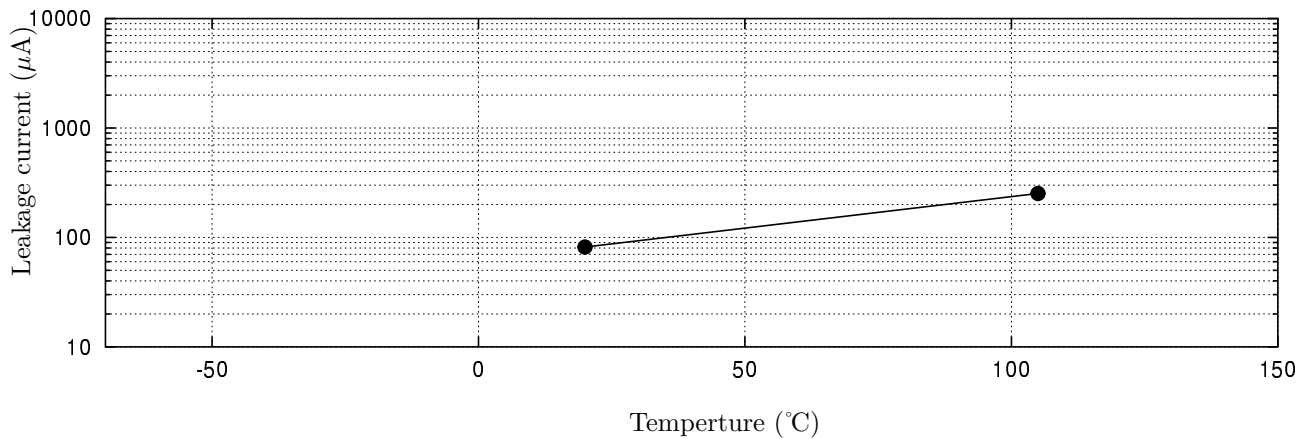
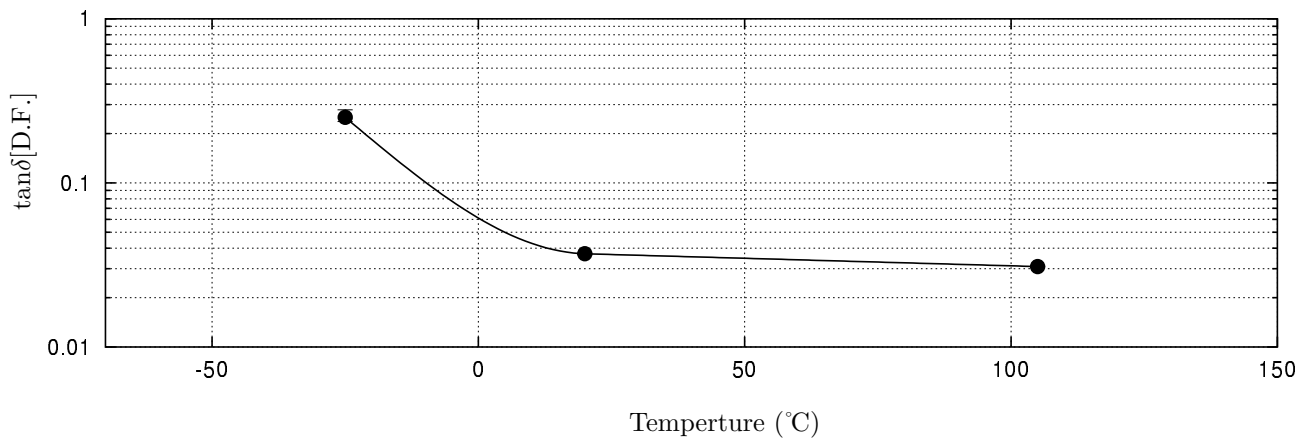
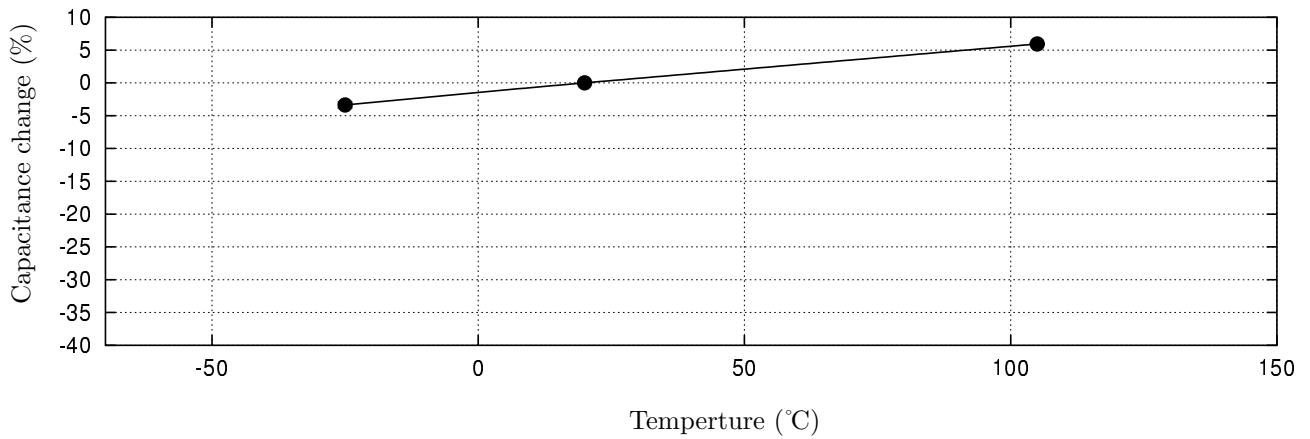
Aluminum Electrolytic Capacitor Reliability data

Test name		Shelf life			
Test temp.	105 (°C)	Leakage Current (Volt)	450 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	5 (min)	Measurement Freq.	120 (Hz)
Ripple Current	(Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	(Hz)			Specified Period of Time	1000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMR451VSN271MQ40S	450	270	φ 25.4×40 L	10



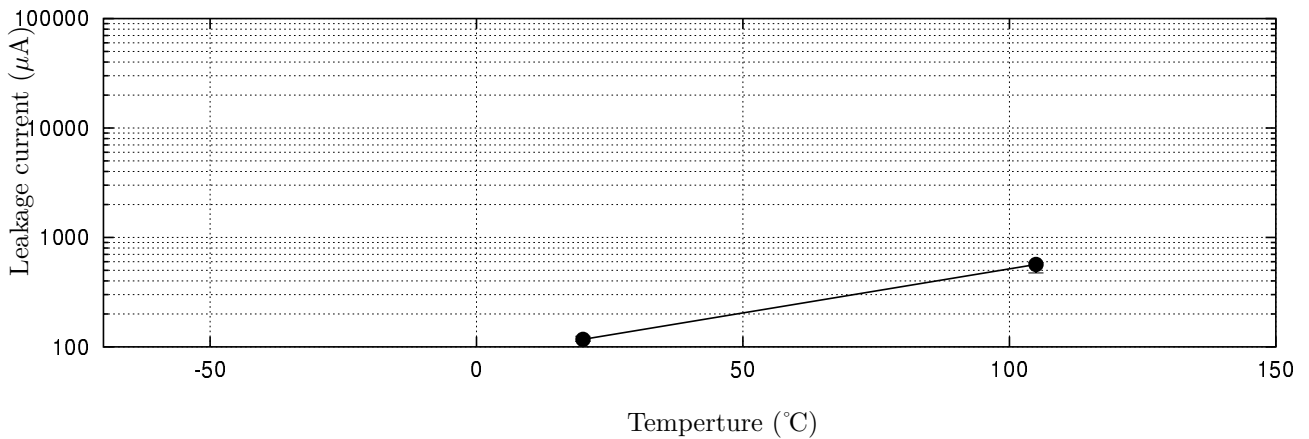
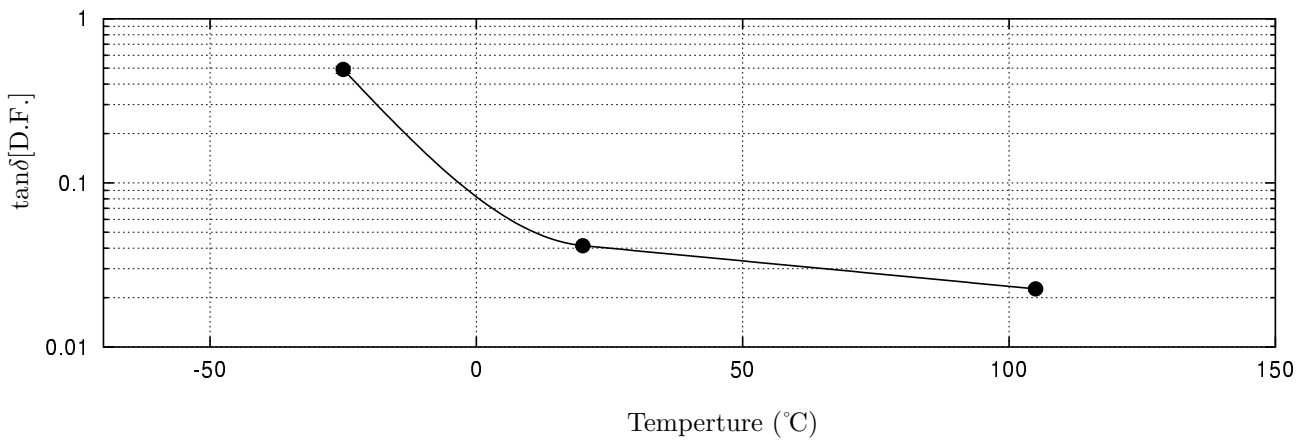
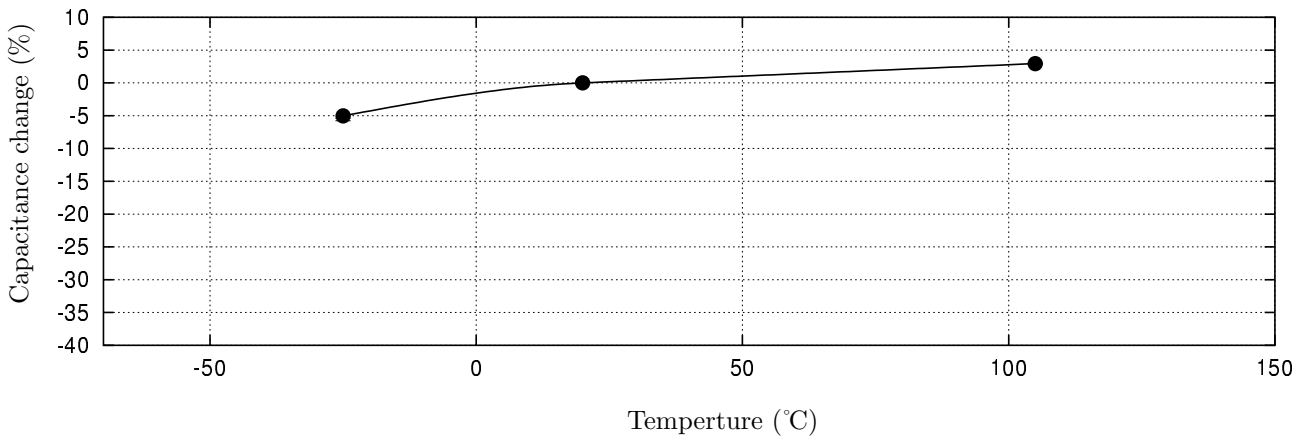
Aluminum Electrolytic Capacitor Reliability data

Test name					
Temperature Characteristics					
Test temp. -25 ~ 105 (°C)		Leakage Current (Volt) 200 (V)	Measurement LCR meter 4284A		
		Leakage Current (Time) 5 (min)	Measurement Freq. 120 (Hz)		
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μ F)	Case Size($\phi \times L$)mm	Tested qty(pcs)
●	EKMR201VSN681MQ30S	200	680	ϕ 25.4×30 L	3



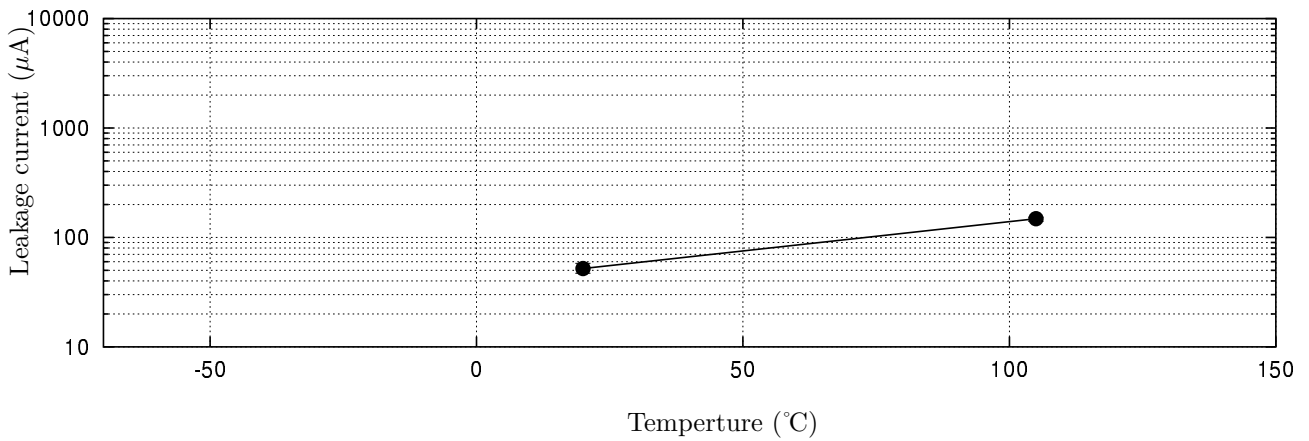
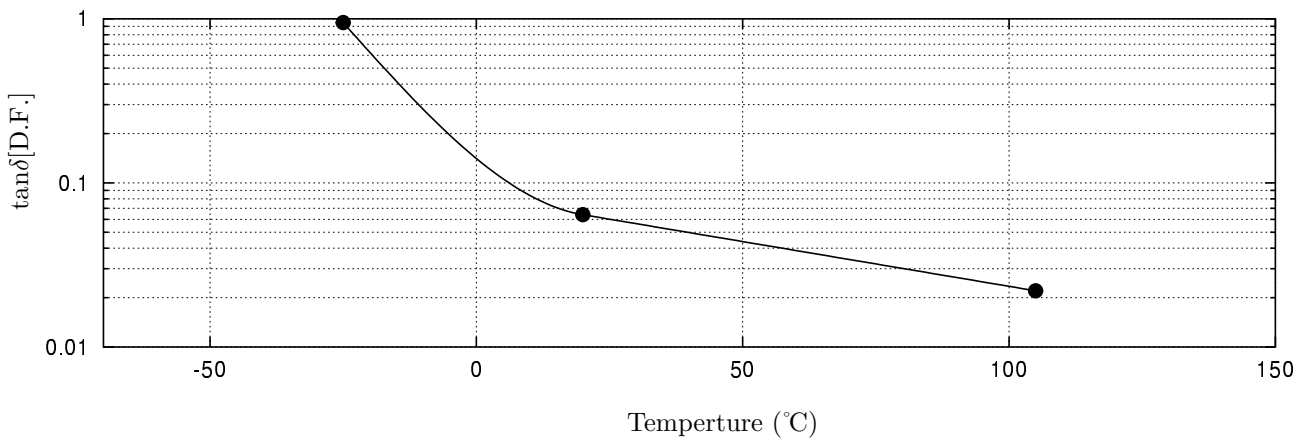
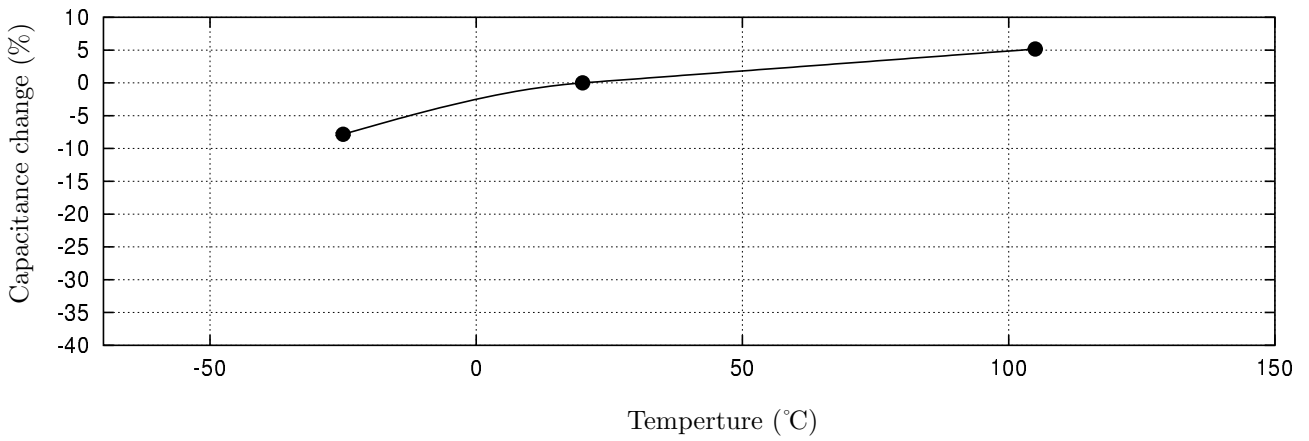
Aluminum Electrolytic Capacitor Reliability data

Test name					
Temperature Characteristics					
Test temp. -25 ~ 105 (°C)		Leakage Current (Volt) 400 (V)	Measurement LCR meter 4284A		
		Leakage Current (Time) 5 (min)	Measurement Freq. 120 (Hz)		
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMR401VSN681MR50S	400	680	φ 30×50 L	3



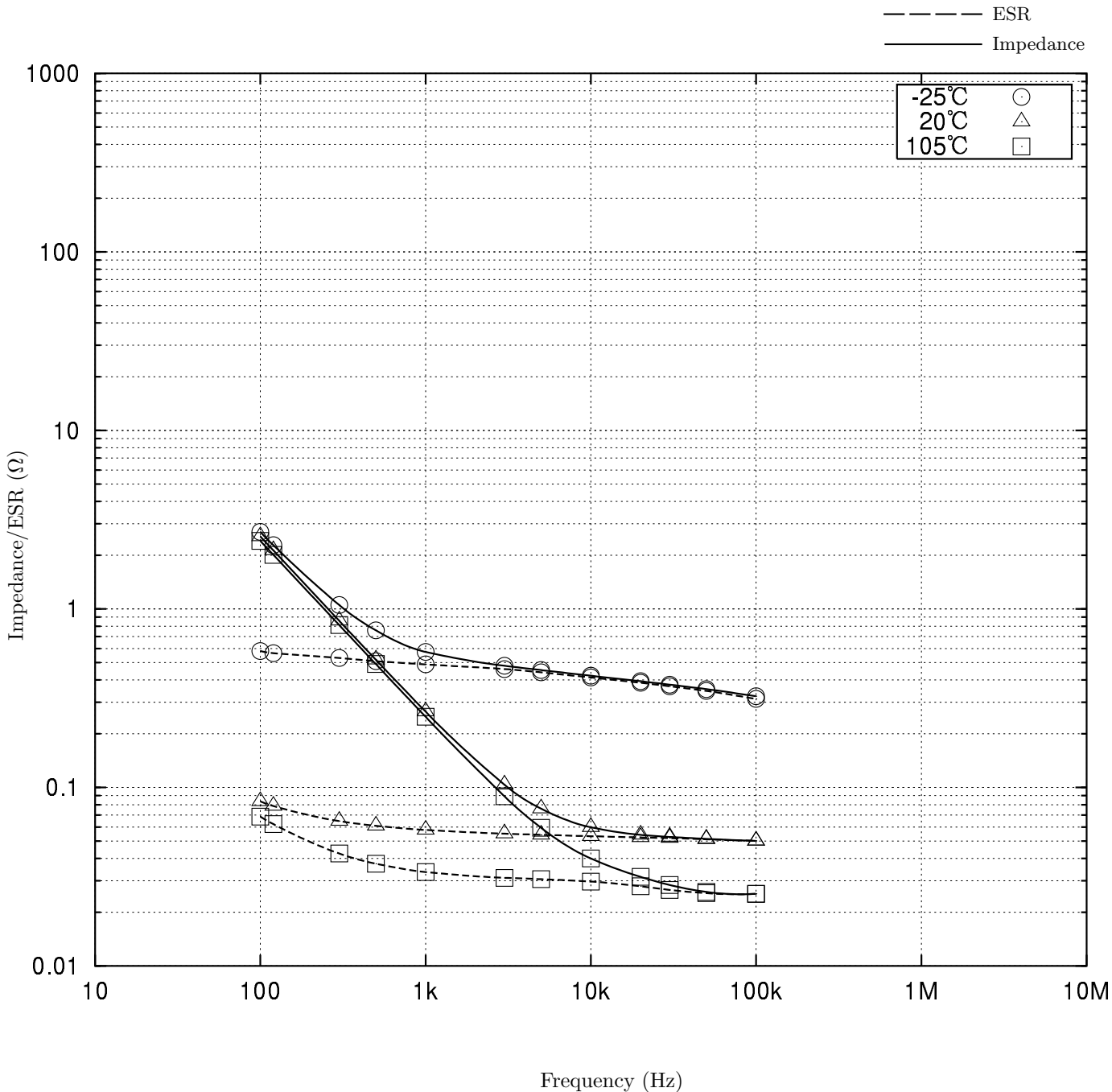
Aluminum Electrolytic Capacitor Reliability data

Test name		Temperature Characteristics			
Test temp. -25 ~ 105 (°C)		Leakage Current (Volt)	450 (V)	Measurement LCR meter	4284A
		Leakage Current (Time)	5 (min)	Measurement Freq.	120 (Hz)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMR451VSN271MQ40S	450	270	φ 25.4×40 L	3



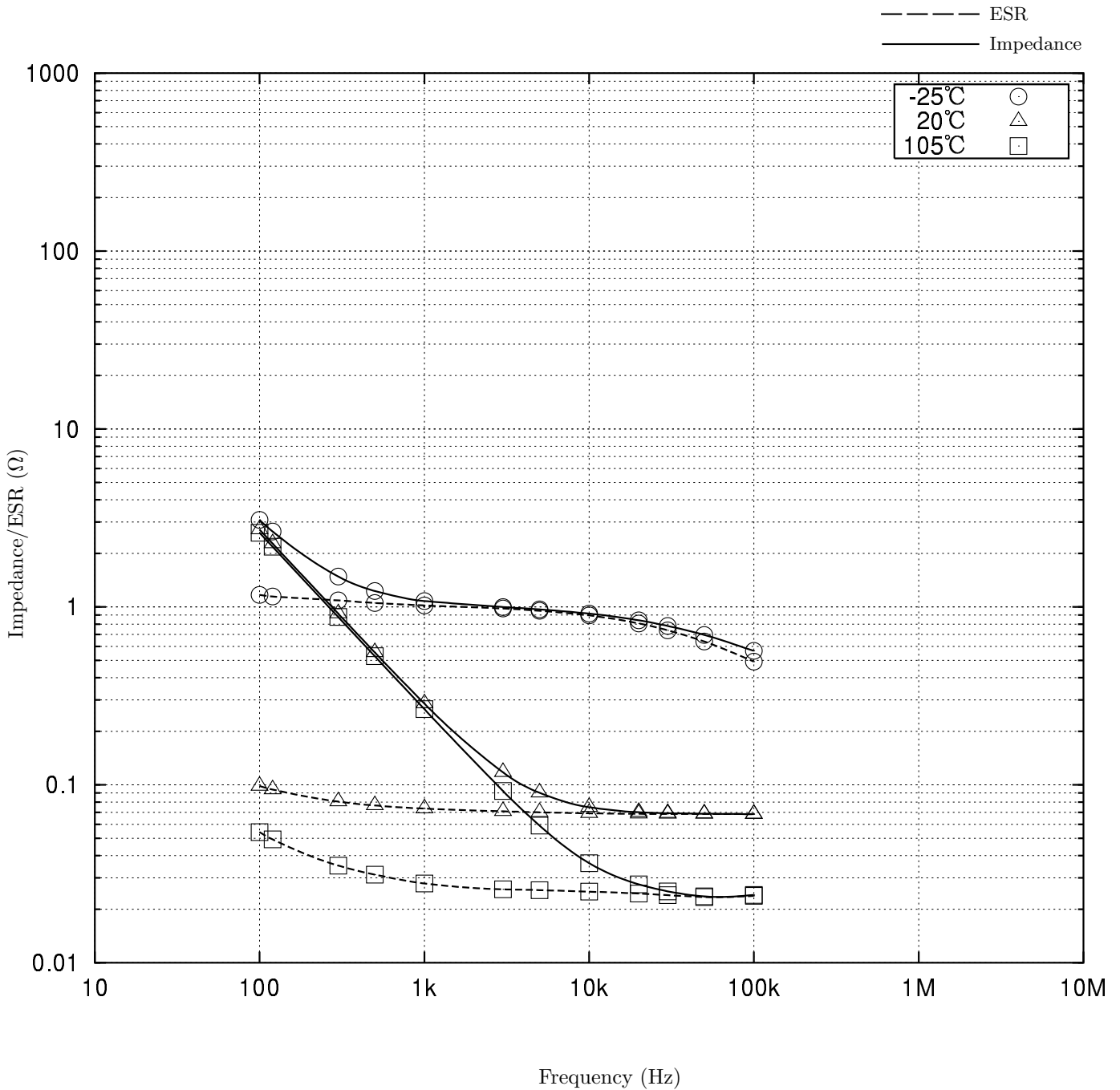
Aluminum Electrolytic Capacitor Reliability data

Test name					Frequency-Impedance/ESR Characteristics				
Test temp.					-25 ~ 105 (°C) Measurement LCR meter 4284A				
Part No.		Rated Voltage(V)		Nominal Capacitance(μF)		Case Size(φ × L)mm		Tested qty(pcs)	
EKMR201VSN681MQ30S		200		680		φ 25.4×30 L		3	



Aluminum Electrolytic Capacitor Reliability data

Test name				
Frequency-Impedance/ESR Characteristics				
Test temp. -25 ~ 105 (°C) Measurement LCR meter 4284A				
Part No.	Rated Voltage(V)	Nominal Capacitance(μ F)	Case Size($\phi \times L$)mm	Tested qty(pcs)
EKMR401VSN681MR50S	400	680	$\phi 30 \times 50$ L	3



Aluminum Electrolytic Capacitor Reliability data

Test name					Frequency-Impedance/ESR Characteristics				
Test temp.					-25 ~ 105 (°C) Measurement LCR meter 4284A				
Part No.		Rated Voltage(V)		Nominal Capacitance(μF)		Case Size(φ × L)mm		Tested qty(pcs)	
EKMR451VSN271MQ40S		450		270		φ 25.4×40 L		3	

