



Reliability Data

Snap-In Aluminum Electrolytic Capacitors

KMS series

Test:

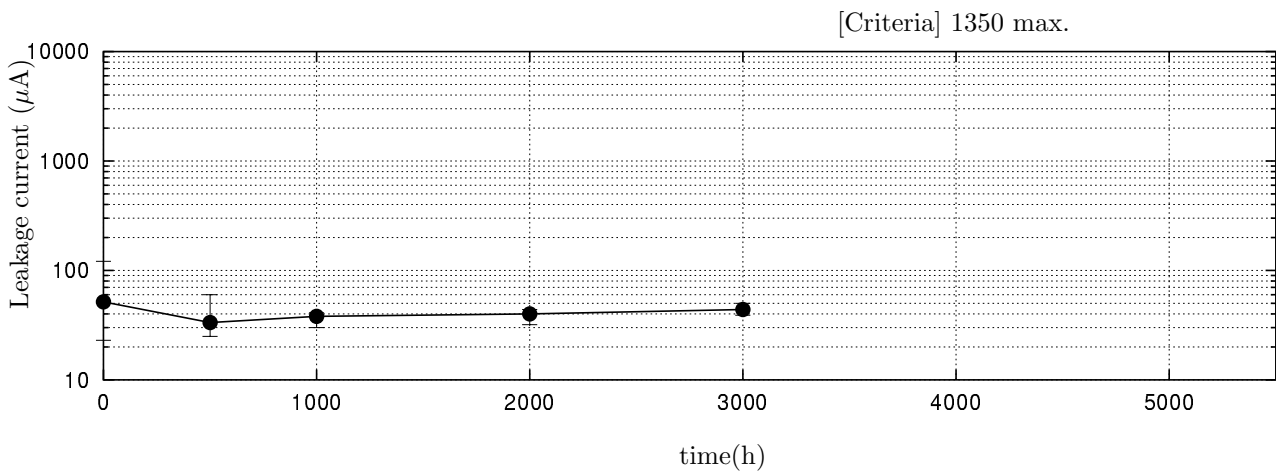
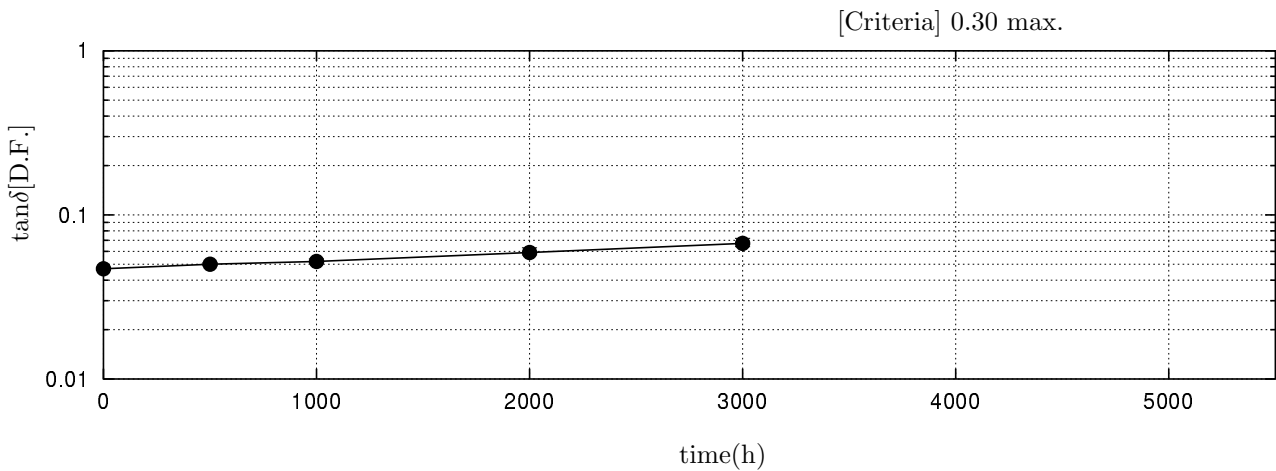
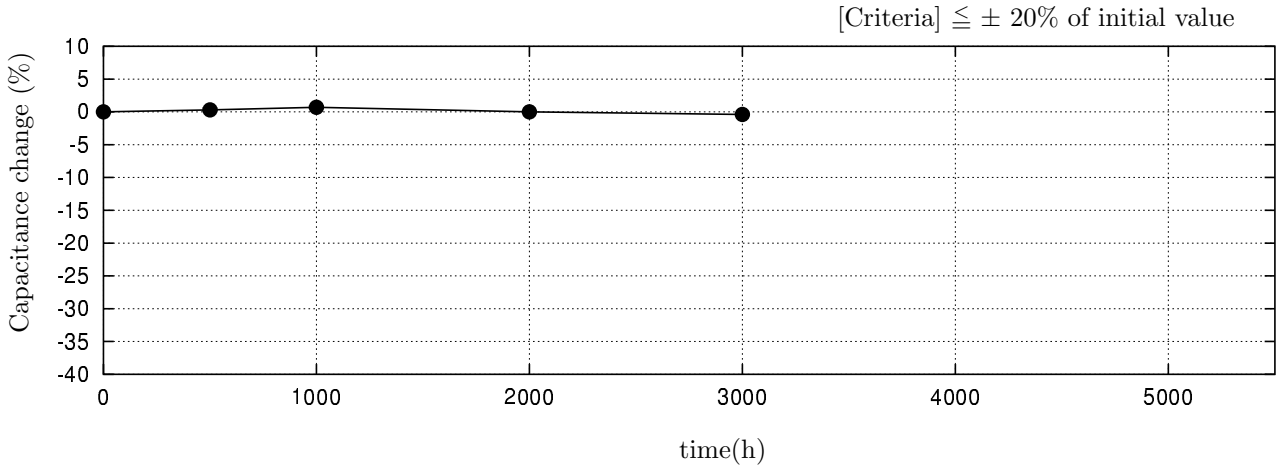
Endurance
Shelf life
Temperature Characteristics
Frequency Characteristics

Item:

EKMS251VSN821MR35S (250V820 μ F, ϕ 30 \times 35L)
EKMS401VSN271MQ35S (400V270 μ F, ϕ 25.4 \times 35L)
EKMS451VSN471MA40S (450V470 μ F, ϕ 35 \times 40L)

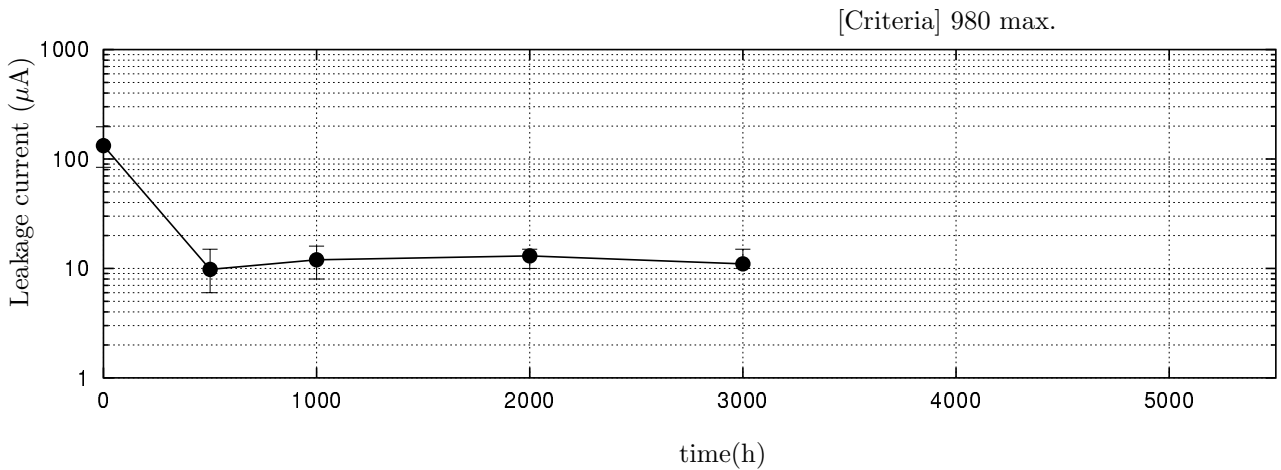
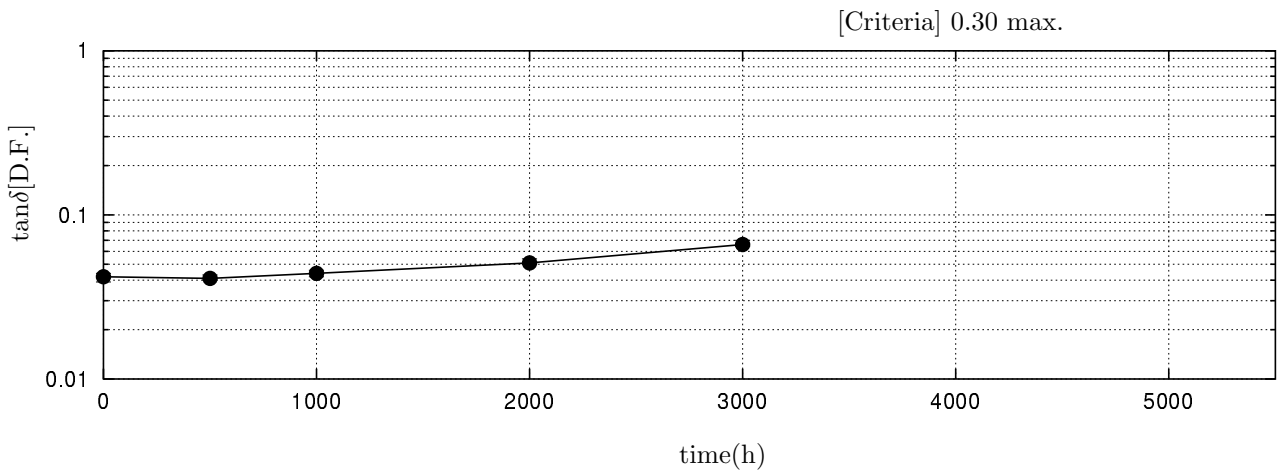
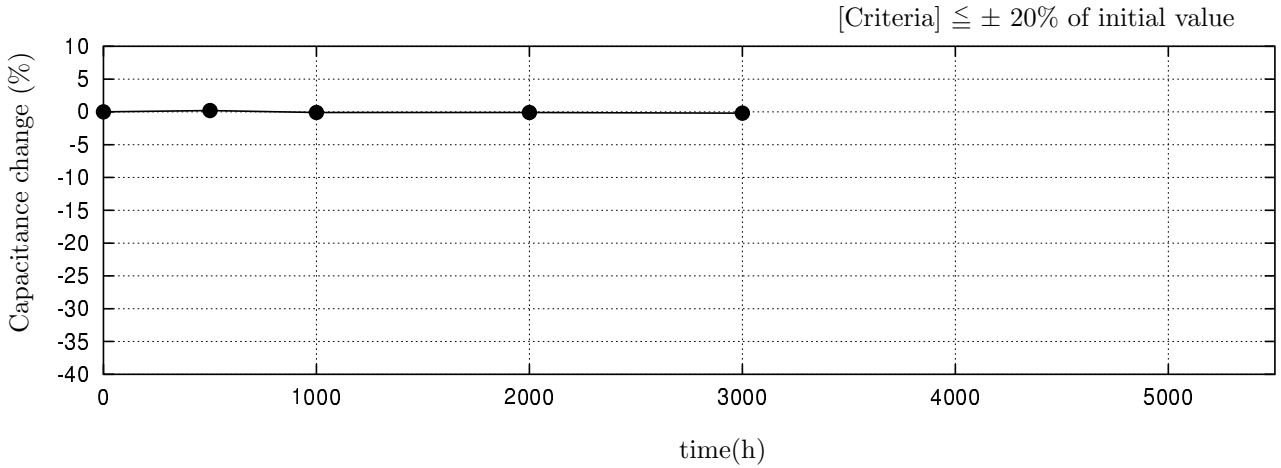
Aluminum Electrolytic Capacitor Reliability data

Test name		Endurance			
Test temp.	105 (°C)	Leakage Current (Volt)	250 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	5 (min)	Measurement Freq.	120 (Hz)
Ripple Current	2.34 (Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	120 (Hz)			Specified Period of Time	3000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMS251VSN821MR35S	250	820	φ 30×35 L	6



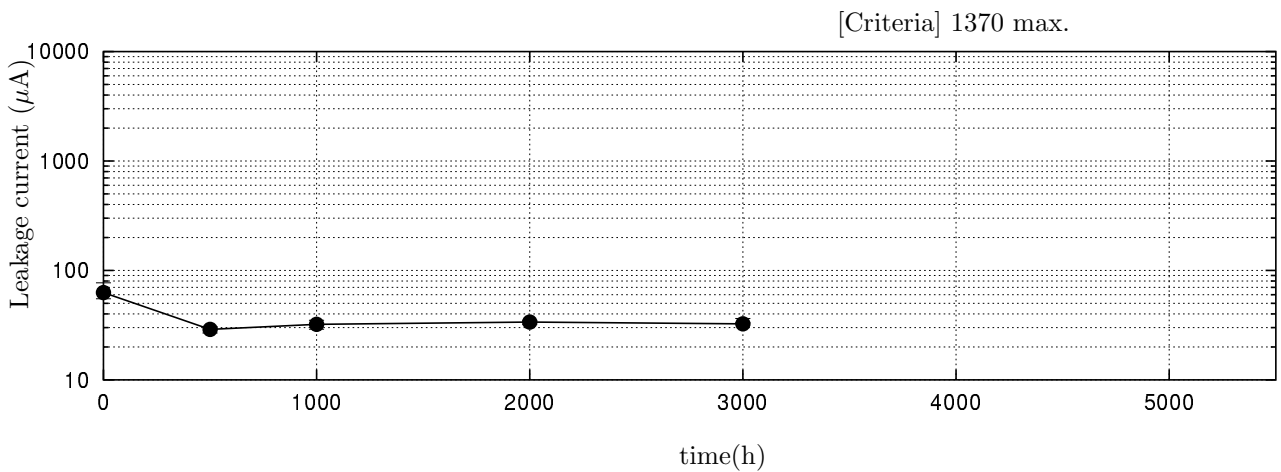
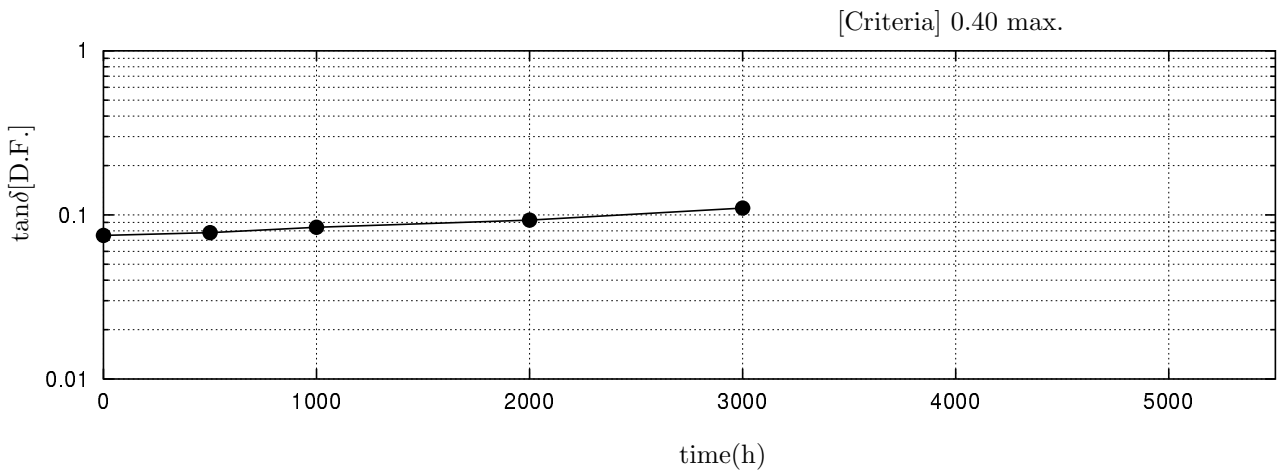
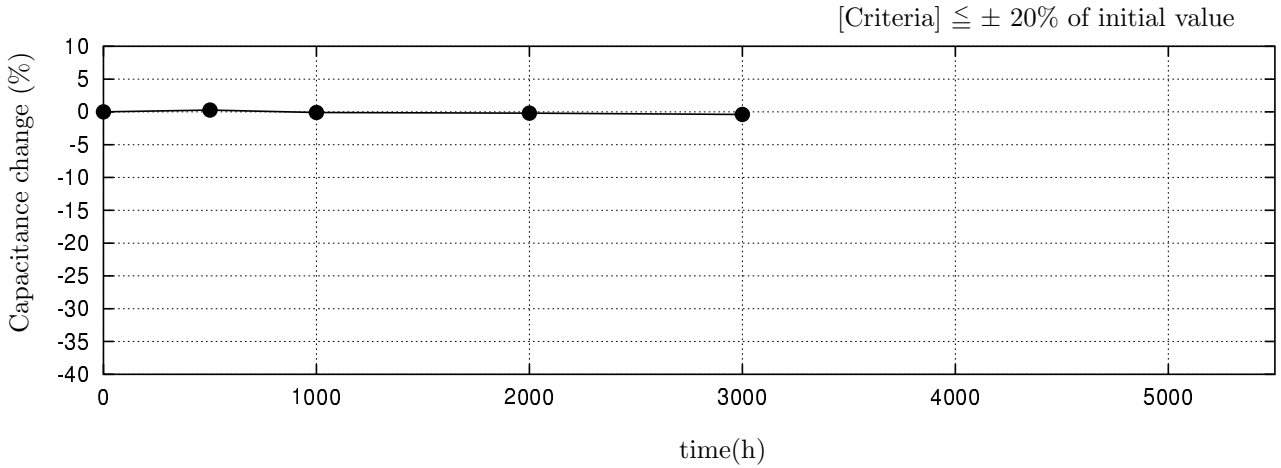
Aluminum Electrolytic Capacitor Reliability data

Test name		Endurance			
Test temp.	105 (°C)	Leakage Current (Volt)	400 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	3 (min)	Measurement Freq.	120 (Hz)
Ripple Current	1.30 (Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	120 (Hz)			Specified Period of Time	3000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMS401VSN271MQ35S	400	270	φ 25.4×35 L	6



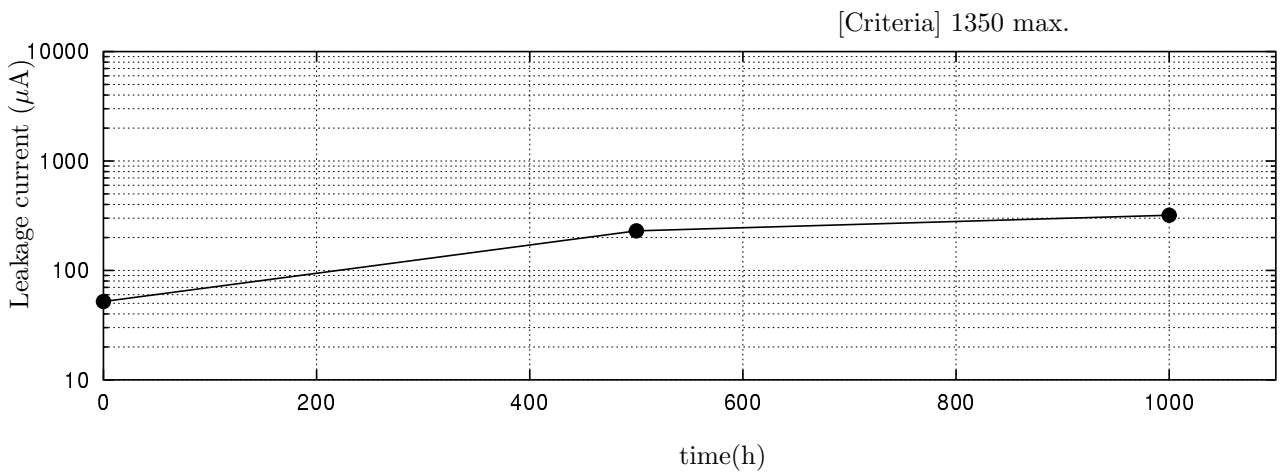
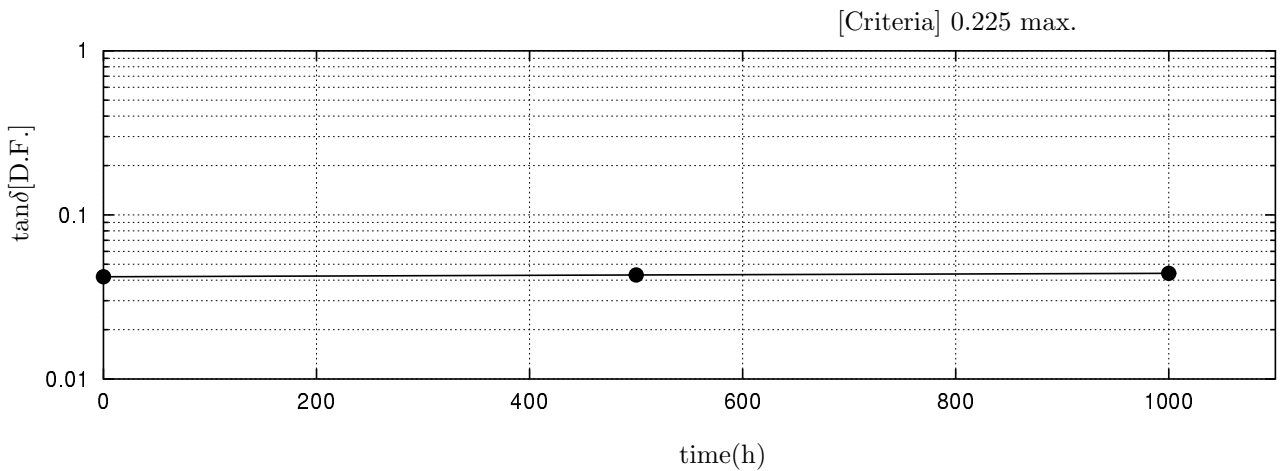
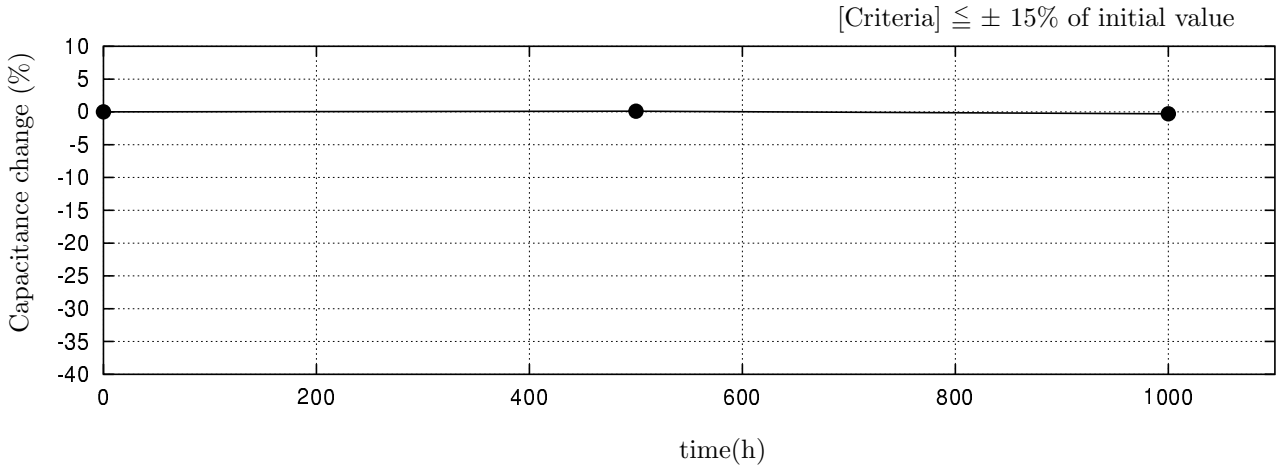
Aluminum Electrolytic Capacitor Reliability data

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	1.95 (Arms)	Leakage Current (Temp.)	20 (°C)	Measurement Temp.	20 (°C)
Ripple freq.	120 (Hz)			Specified Period of Time	3000 (h)
Mark	Part No.	Rated Voltage(V)	Nominal Capacitance(μF)	Case Size(φ × L)mm	Tested qty(pcs)
●	EKMS451VSN471MA40S	450	470	φ 35×40 L	6



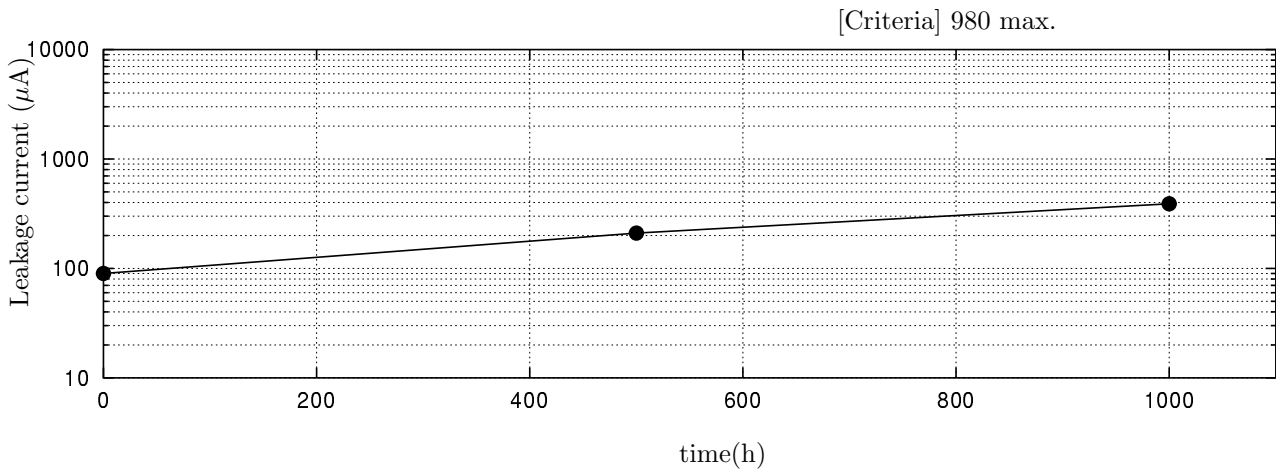
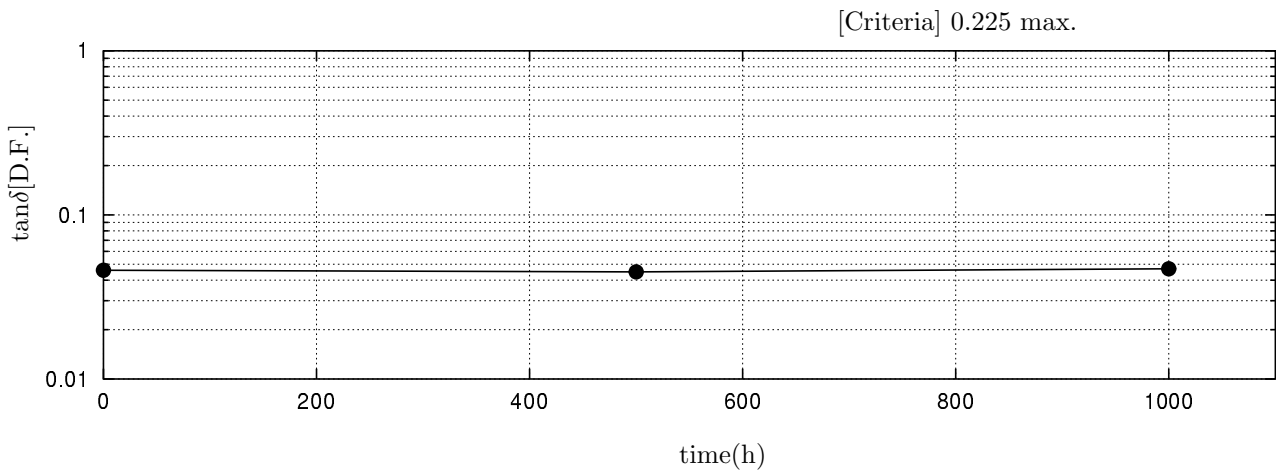
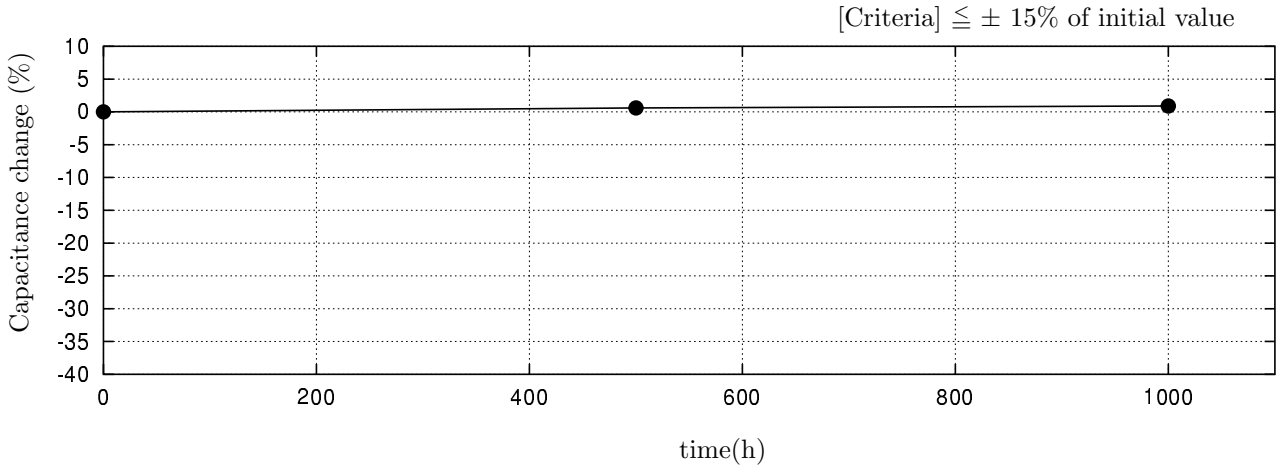
Aluminum Electrolytic Capacitor Reliability data

Test name		Shelf life			
Test temp.	105 (°C)	Leakage Current (Volt)	250 (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)
●	EKMS251VSN821MR35S	250	820	φ 30×35 L	10



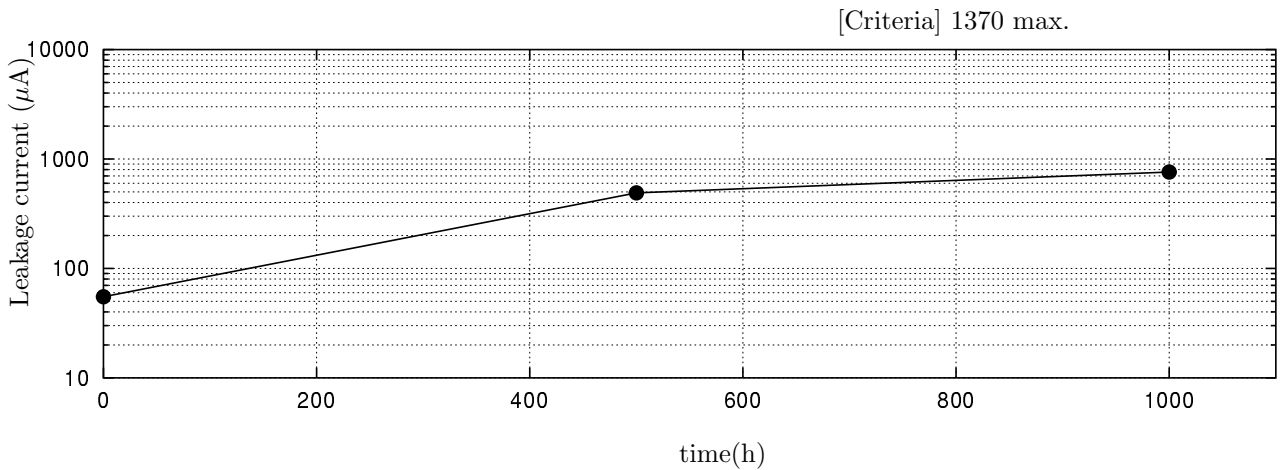
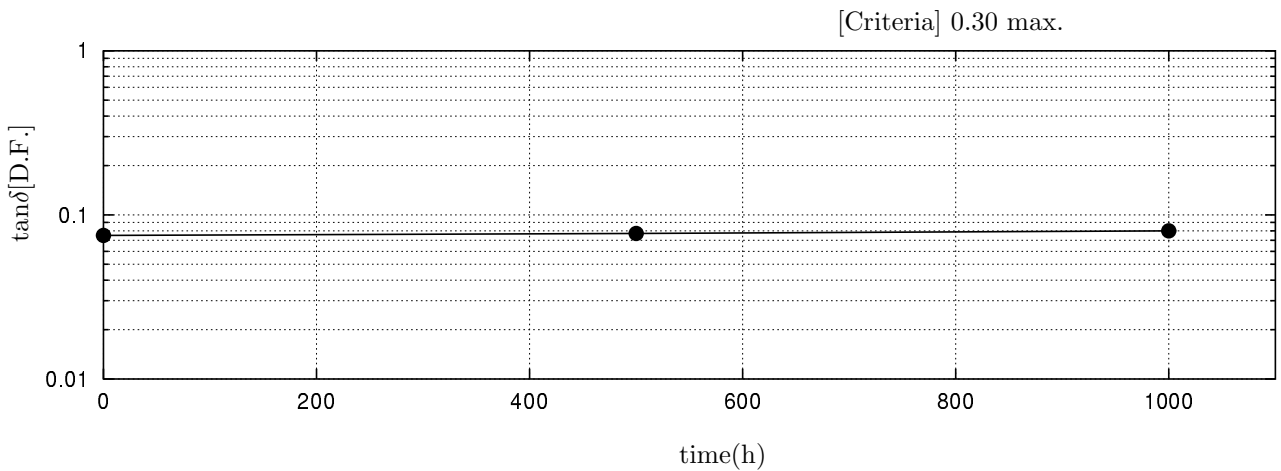
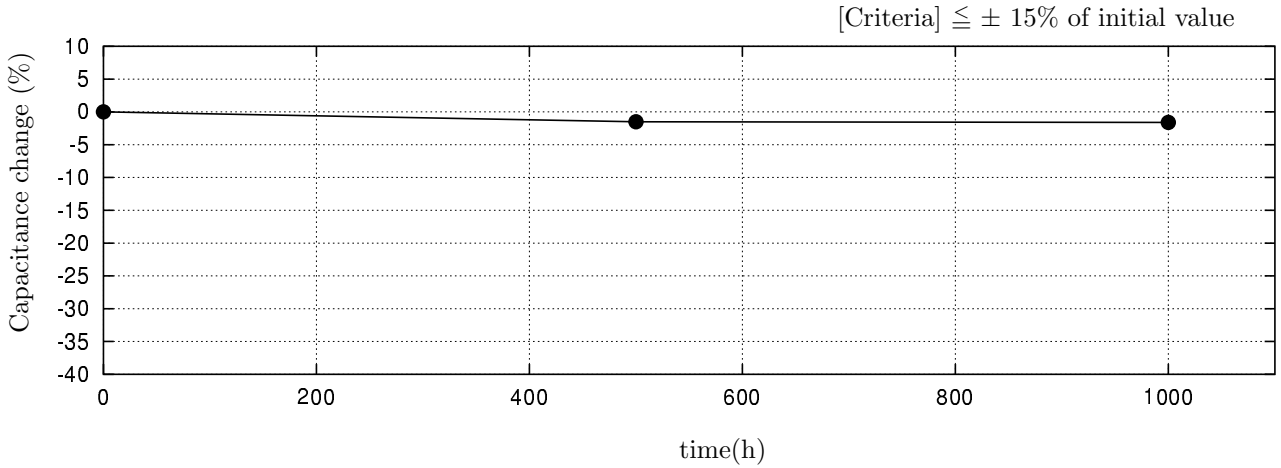
Aluminum Electrolytic Capacitor Reliability data

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.	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)
●	EKMS401VSN271MQ35S	400	270	φ 25.4×35 L	10



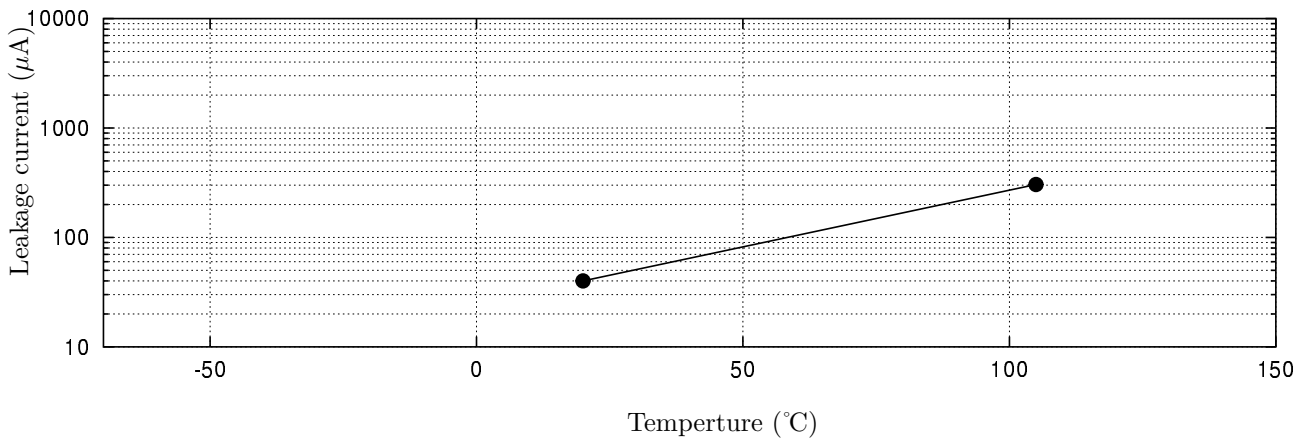
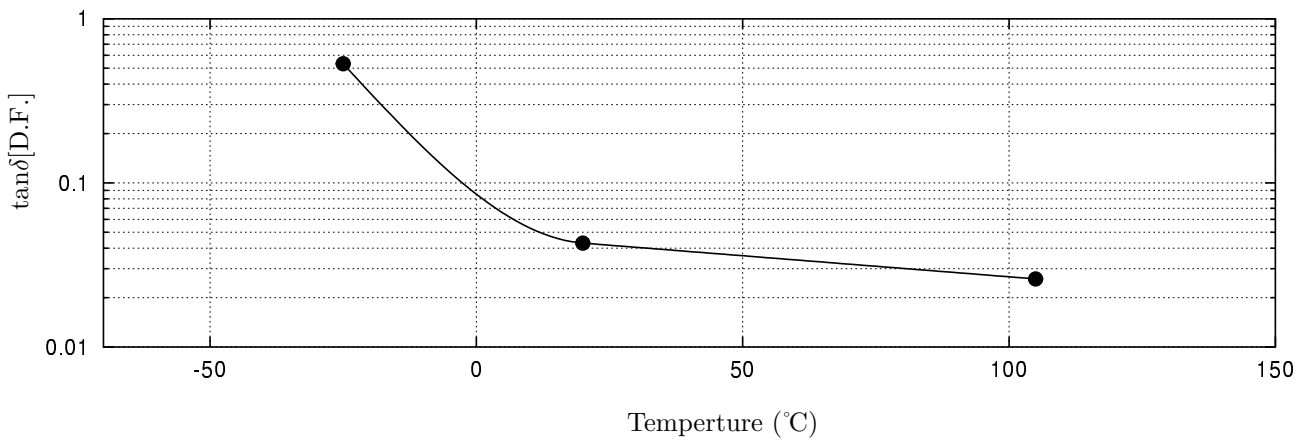
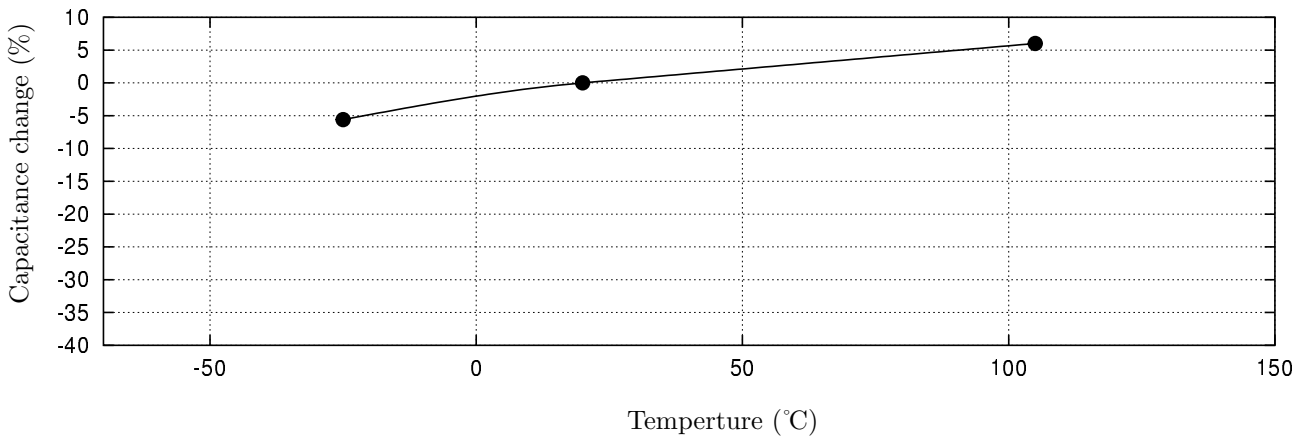
Aluminum Electrolytic Capacitor Reliability data

Test name		Shelf life			
Test temp.	105 (°C)	Leakage Current (Volt)	450 (V)	Measurement LCR meter	4284A
Applied Voltage	(V)	Leakage Current (Time)	3 (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)
●	EKMS451VSN471MA40S	450	470	φ 35×40 L	10



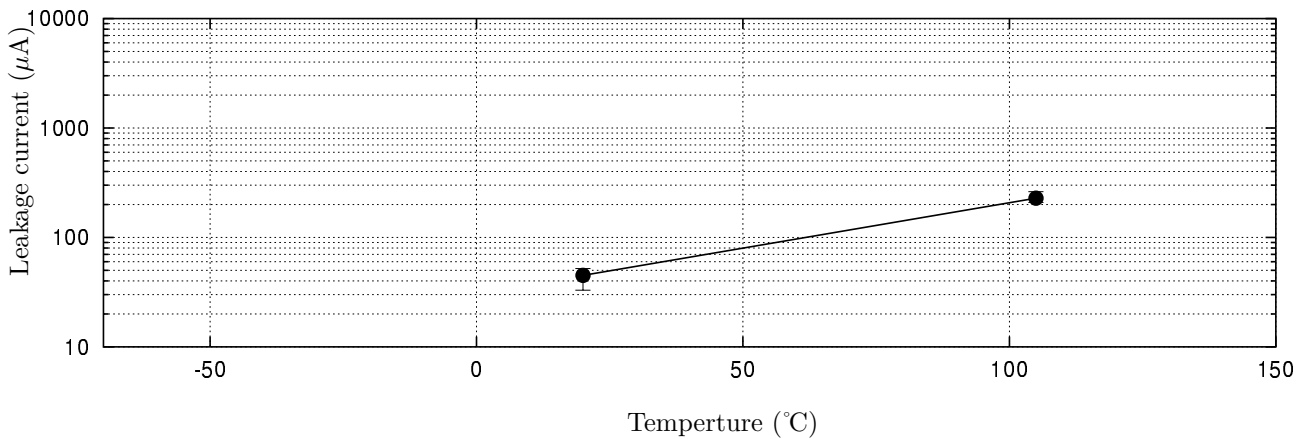
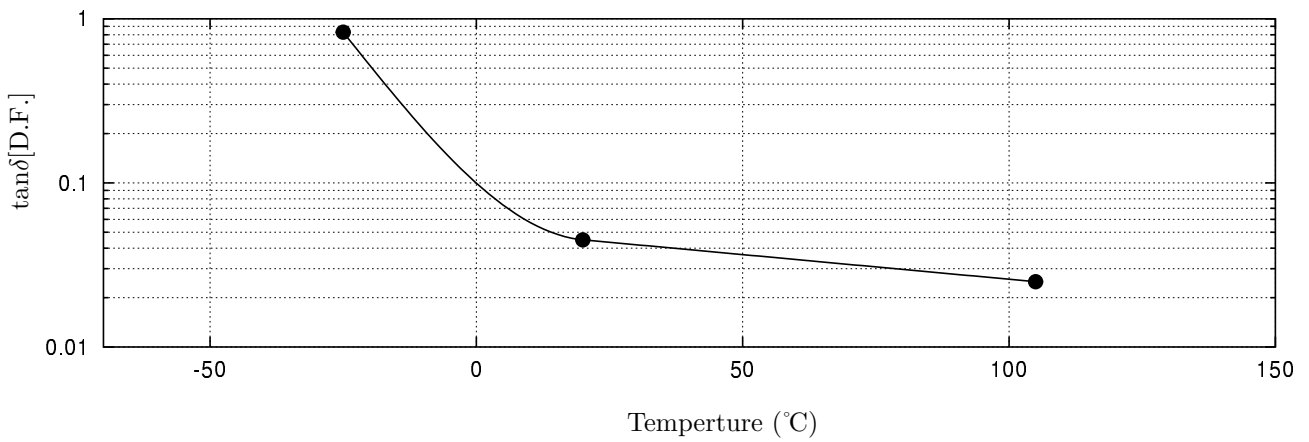
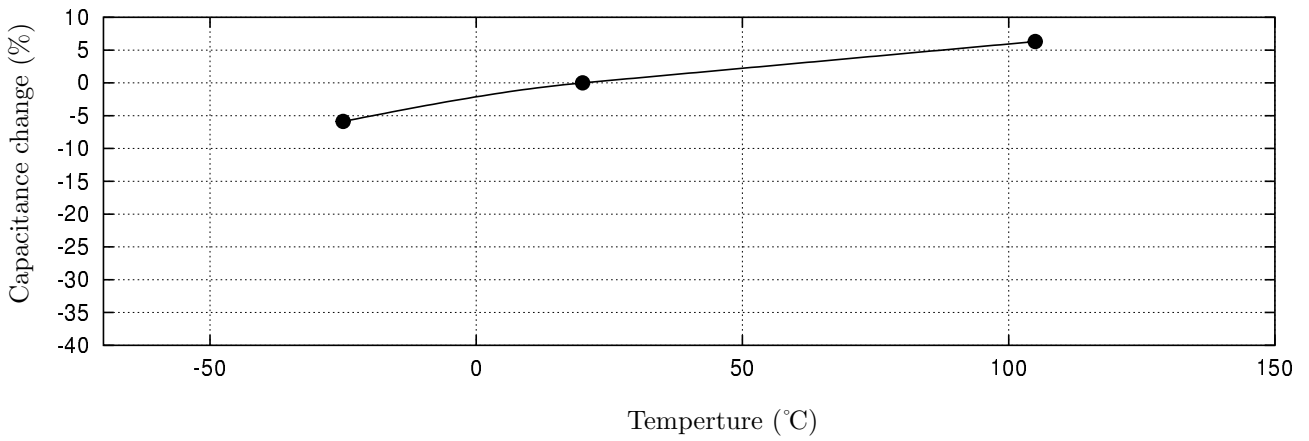
Aluminum Electrolytic Capacitor Reliability data

Test name					
Temperature Characteristics					
Test temp. -25 ~ 105 (°C)		Leakage Current (Volt) 250 (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)
●	EKMS251VSN821MR35S	250	820	φ 30×35 L	3



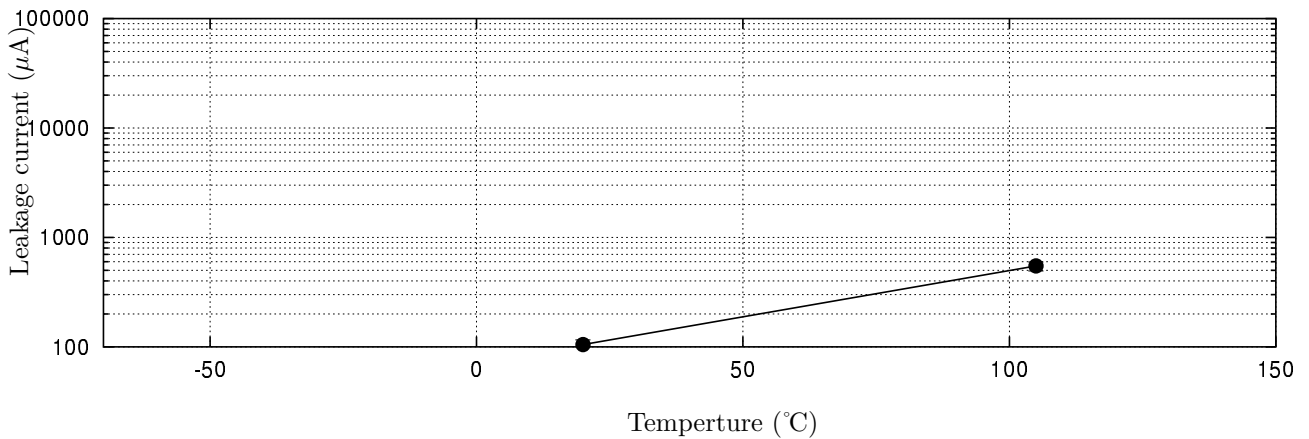
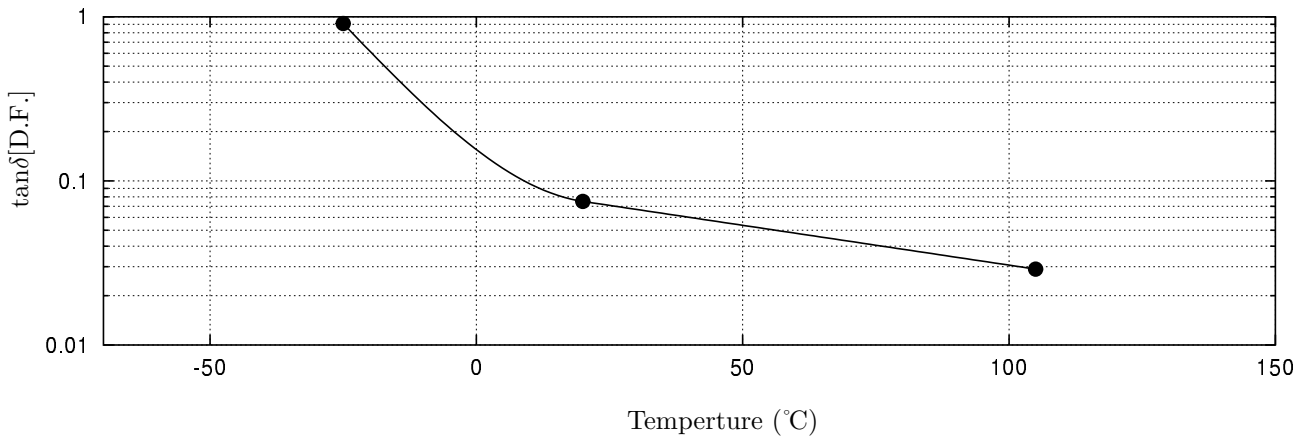
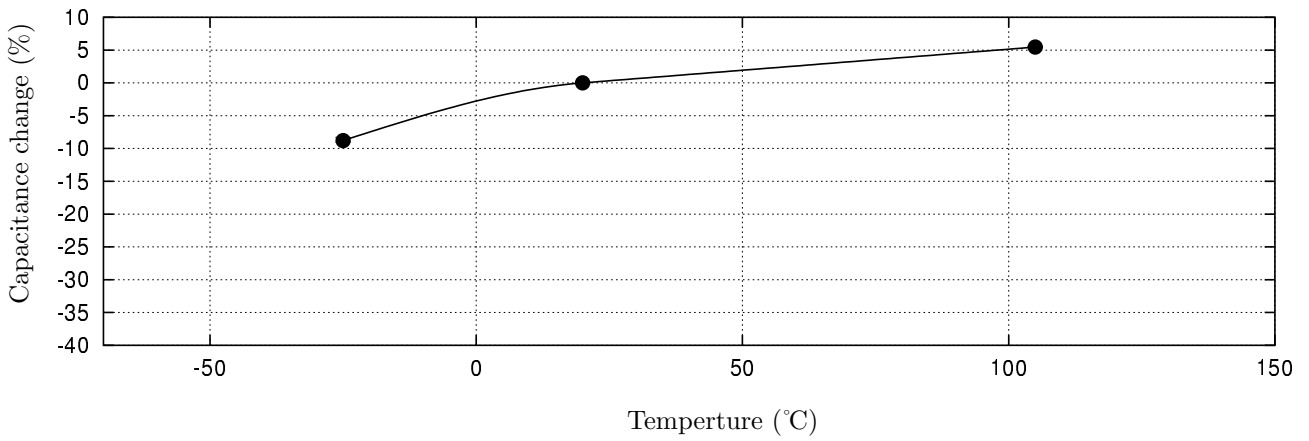
Aluminum Electrolytic Capacitor Reliability data

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)
●	EKMS401VSN271MQ35S	400	270	φ 25.4×35 L	3



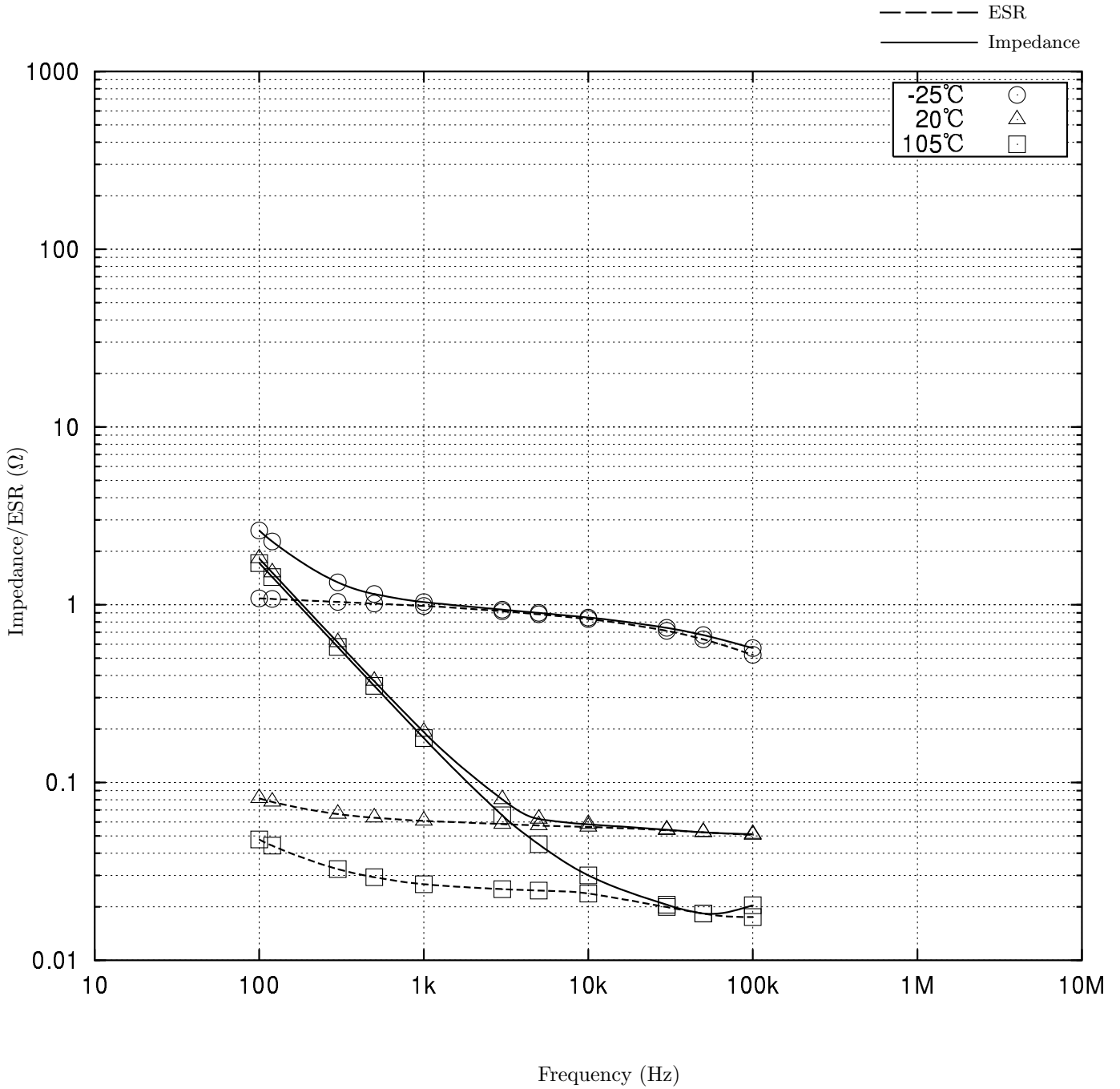
Aluminum Electrolytic Capacitor Reliability data

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)
●	EKMS451VSN471MA40S	450	470	φ 35×40 L	3



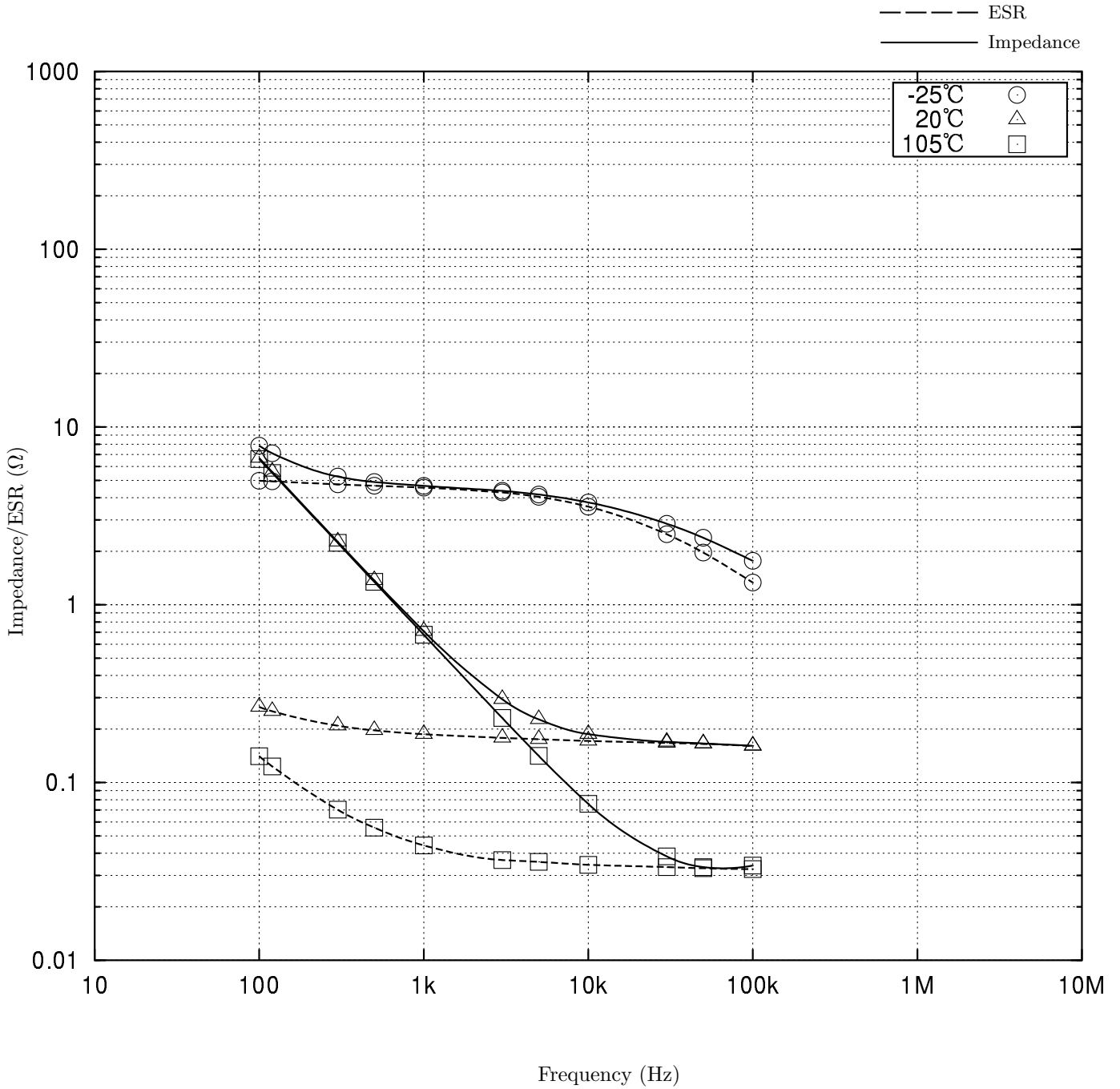
Aluminum Electrolytic Capacitor Reliability data

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)						
EKMS251VSN821MR35S		250		820		φ 30×35 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)
EKMS401VSN271MQ35S	400	270	φ 25.4×35 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)
EKMS451VSN471MA40S	450	470	$\phi 35 \times 40$ L	3

