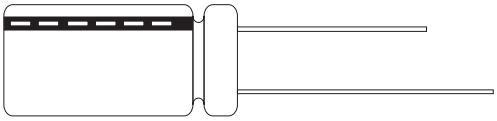
ALUMINUM ELECTROLYTIC CAPACITORS
RXH Series: Low Impedance Type

RoHS

FEATURES



- Maximum temperature 105°C, 3000 ~ 5000 hours assured
- High frequency impedance reduction, suitable for computer motherboard
- Miniaturized with larger ripple current

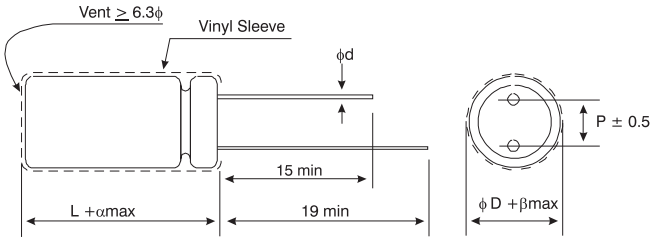
SPECIFICATIONS

Item	Performance							
Operating Temp.	-40°C ~ +105°C							
Capacitance Toloerance	± 20% (120Hz, 20°C)							
Leakage Current (at 20°C)	I = 0.01CV or 3 (A) whichever is greater (after 2 minutes) Where, C= rated capacitance in F. V= rated DC working voltage in V.							
Dissipation Factor Tan at 120Hz, 20°C	Rated Voltage	6.3	10	16	25	35	When the capacitance exceeds 1000 F, 0.02 shall be added every 1000 F increase.	
	Tan (max)	0.22	0.19	0.16	0.14	0.12		
Low Temperature Characteristics (at 120Hz)	Rated Voltage		6.3	10	16	25	35	Impedance ratio shall not exceed the values given in the table.
	Impedance Ratio	Z(-25°C)/Z(+20°C)	2	2	2	2	2	
		Z(-40°C)/Z(+20°C)	3	3	3	3	3	
Load Life Test	Test Time	3000 hours for D = 5~8mm 5000 hours for D 10mm						
	Capacitance Change	Within ±25% of initial value						
	Dissipation Factor	Less than 200% of specified value						
	Leakage Current	Within specified value						
	The above specifications shall be satisfied when capacitors are restored to 20°C after voltage with rated rippled current applied for 2000 hours at 105°C.							
Shelf Life Test	Test time: 1000 hours; other items are the same as those for load life test.							
Ripple Current & Frequency Multipliers	Freq. (Hz) / Cap. (F)	120	1K	10K	100K			
	Under 270	0.50	0.73	0.92	1.0			
	330 to 680	0.55	0.77	0.94	1.0			
	820 to 1800	0.60	0.80	0.96	1.0			
	2200 up above	0.70	0.85	0.98	1.0			
Standards	Satisfies Characteristic JIS C 5101-4							

DIMENSIONS

Unit: mm

D	5	6.3	8	10	12.5	16
P	2.0	2.5	3.5	5.0	5.0	7.5
d	0.5		0.6			0.8
	1.0			1.5		
	0.5					



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DIMENSIONS & PERMISSIBLE RIPPLE CURRENT

Impedence: at 100KHz, 20°C
Ripple Current: mA/rms at 100Hz, 105°C

V.DC / Item / D x L	6.3V (0J)					10V (1A)					16V (1C)				
	F	Impedance (, Max/100K Hz)		Ripple Current (mA/rms, 105°C)		F	Impedance (, Max/100K Hz)		Ripple Current (mA/rms, 105°C)		F	Impedance (, Max/100K Hz)		Ripple Current (mA/rms, 105°C)	
		20°C	-10°C	120Hz	100KHz		20°C	-10°C	120Hz	100KHz		20°C	-10°C	120Hz	100KHz
5 x 11	220	0.24	0.8	165	330	150	0.24	0.8	150	300	100	0.24	0.8	150	300
6.3 x 11	470	0.11	0.35	275	500	330	0.11	0.35	275	500	220	0.11	0.35	250	500
8 x 11.5	820	0.062	0.19	540	900	680	0.062	0.19	540	900	470	0.062	0.19	495	900
8 x 15	1200	0.048	0.15	726	1210	1000	0.048	0.15	726	1210	680	0.048	0.15	666	1210
8 x 20	1500	0.033	0.11	846	1410	1500	0.033	0.11	846	1410	1000	0.033	0.11	846	1410
10 x 12.5	1200	0.045	0.14	744	1210	1000	0.045	0.14	744	1240	680	0.045	0.14	682	1240
10 x 16	1800	0.032	0.1	990	1650	1500	0.032	0.1	990	1650	1000	0.032	0.1	990	1650
10 x 20	2200	0.02	0.06	1372	1960	1800	0.02	0.06	1176	1960	1500	0.02	0.06	1176	1960
10 x 25	2700	0.018	0.054	1575	2250	2200	0.018	0.054	1575	2250	1800	0.018	0.054	1350	2250
12.5 x 20	3900	0.017	0.043	1736	2480	3300	0.017	0.043	1736	2480	2200	0.017	0.043	1736	2480
12.5 x 25	4700	0.015	0.038	2030	2900	3900	0.015	0.038	2030	2900	2700	0.015	0.038	2030	2900
12.5 x 30	5600	0.013	0.033	2415	3450	4700	0.013	0.033	2415	3450	3300	0.013	0.033	2415	3450
12.5 x 35	6800	0.012	0.031	2499	3570	5600	0.012	0.031	2499	3570	3900	0.012	0.031	2499	3570
16 x 20	6800	0.015	0.038	2275	3250	4700	0.015	0.038	2275	3250	3300	0.015	0.038	2275	3250
16 x 25	8200	0.013	0.035	2541	3630	6800	0.013	0.035	2541	3630	4700	0.013	0.035	2541	3630

V.DC / Item / D x L	25V (1E)					35V (1V)				
	F	Impedance (, Max/100K Hz)		Ripple Current (mA/rms, 105°C)		F	Impedance (, Max/100K Hz)		Ripple Current (mA/rms, 105°C)	
		20°C	-10°C	120Hz	100KHz		20°C	-10°C	120Hz	100KHz
5 x 11	68	0.24	0.8	165	330	47	0.24	0.8	165	330
6.3 x 11	150	0.11	0.35	255	500	100	0.11	0.35	250	500
8 x 11.5	330	0.062	0.19	495	900	220	0.062	0.19	450	900
8 x 15	390	0.048	0.15	666	1210	270	0.048	0.15	605	1210
8 x 20	560	0.033	0.11	776	1410	390	0.033	0.11	776	1410
10 x 12.5	470	0.045	0.14	682	1240	330	0.045	0.14	682	1240
10 x 16	680	0.032	0.1	908	1650	470	0.032	0.1	908	1650
10 x 20	820	0.02	0.06	1176	1960	560	0.02	0.06	1078	1960
10 x 25	1000	0.018	0.054	1350	2250	680	0.018	0.054	1238	2250
12.5 x 20	1500	0.017	0.043	1488	2480	1000	0.017	0.043	1488	2480
12.5 x 25	1800	0.015	0.038	1740	2900	1200	0.015	0.038	1740	2900
12.5 x 30	2200	0.013	0.033	2415	3450	1500	0.013	0.033	2070	3450
16 x 20	2200	0.015	0.038	2275	3250	1500	0.015	0.038	1950	3250
16 x 25	3300	0.013	0.035	2541	3630	1200	0.013	0.035	2541	3630