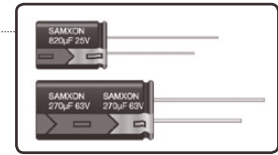


+105°C, Highest Ripple Current (更高紋波), Longest Life Assurance (更長壽命), Lower Impedance (較低阻抗)

FEATURES

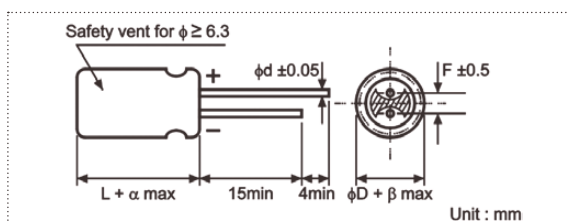
- Higher ripple current than GT series and Lower Impedance than GY series.
- Load life of 6,000~10,000 hours at 105°C.
- Enabled high ripple current by a reduction of impedance at high frequency range.
- Lowest impedance for personal computer and storage equipment.



SPECIFICATIONS

Item	Performance Characteristics										
Operating Temperature Range	-40 to +105°C										
Rated Working Voltage Range	6.3 to 100V										
Nominal Capacitance Range	33 to 8200μF										
Capacitance Tolerance	±20% at 120Hz, +20°C										
Leakage Current	I ≤0.01CV or 3(μA) whichever is greater measured after 2 minutes application of rated working voltage at +20°C										
tan δ (120Hz, +20°C)	Working Voltage (V)	6.3	10	16	25	35	50	63	80	100	
	tan δ (max.)	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08	0.08	
For capacitance > 1000μF, add 0.02 per another 1000μF											
Low Temperature Characteristics	Impedance ratio max. at 120Hz										
	Working Voltage (V)	6.3	10	16	25	35	50	63	80	100	
	Z-25°C / Z+20°C	2	2	2	2	2	2	2	2	2	
High Temperature Loading	Test time :	ΦD	6.3V	10-50V	63-100V	Post test requirements at +20°C Leakage current : ≤Initial specified value Cap. change : within ±25% of the initial measured value (6.3, 10V: within ±30%) tan δ : ≤200% of the initial specified value					
		≤6.3	6,000h	7,000h	6,000h						
		8 x 12	8,000h	9,000h	8,000h						
		10 x 12.5	9,000h	9,000h	9,000h						
		8 x 16, 8 x 20	9,000h	10,000h	9,000h						
		10 x 16, 10 x 20, 10 x 25, ≥12.5	10,000h								
	Test temperature : +105°C Test conditions : Rated DC working voltage with rated ripple current										
Shelf Life	At +105°C no voltage applied after 1,000 hours and then being stabilized at +20°C the capacitors shall meet the following limits Leakage current : ≤Initial specified value Cap. change : within ±25% of the initial measured value (6.3, 10V: within ±30%) tan δ : ≤200% of the initial specified value										
Industrial Standard	JIS C - 5101-4 (IEC 60384-4)										

CASE SIZE TABLE



ΦD	5	6.3	8(L<20)	8(L $\geq$ 20)	10	12.5	16	18
F	2.0	2.5	3.5	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.5	0.5	0.6	0.6	0.6	0.8	0.8
α	(L <20) 1.5				(L $\geq$ 20) 2.0			
β	(D <20) 0.5				(D $\geq$ 20) 1.0			

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient

Coefficient Cap (μF) Freq. (Hz)	120	1K	10K	100K
33~270	0.50	0.73	0.92	1.00
330~680	0.55	0.77	0.94	1.00
820~1800	0.60	0.80	0.96	1.00
2200~8200	0.70	0.85	0.98	1.00

PART NUMBER SYSTEM (EXAMPLE : 16V 1000μF)

1	2 3	4 5 6	7	8 9	10	11 12	13 14
E	SK	108	M	1C	G	16	RR

Type (Radial Bulk)
Case Length (16mm)
Diameter (10mm)
Voltage (16V)
Tolerance ($\pm 20\%$)
Capacitance (1000 μ F)
Series
E-CAP

NEW

SK

Series

SAMXON®

Aluminum Electrolytic Capacitors

+105°C, Highest Ripple Current (更高紋波), Longest Life Assurance (更長壽命), Lower Impedance (較低阻抗)

STANDARD RATINGS

Voltage (Code)		6.3V (0J)			10V (1A)			16V (1C)		
Cap. (μF)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current
270	277							6.3 x 12	0.170	700
330	337				6.3 x 12	0.170	700			
470	477	6.3 x 12	0.170	540				8 x 12	0.075	1200
560	567				8 x 12	0.075	1200	8 x 16	0.059	1600
680	687				8 x 16	0.059	1600	10 x 12.5	0.053	1700
820	827	8 x 12	0.075	945	10 x 12.5	0.053	1700	8 x 20	0.041	1960
1000	108	8 x 16	0.059	1250	8 x 20	0.041	1960	10 x 16	0.038	2000
1200	128	10 x 12.5	0.053	1330	10 x 16	0.038	2000			
1500	158	8 x 20	0.041	1500				10 x 20	0.028	2500
1800	188	10 x 16	0.038	1760	10 x 20	0.028	2500	10 x 25	0.024	2900
2200	228				10 x 25	0.024	2900	12.5 x 20	0.025	2600
2700	278	10 x 20	0.028	1960	12.5 x 20	0.025	2600	12.5 x 25	0.019	3200
3300	338	10 x 25	0.024	2250	12.5 x 25	0.019	3200	12.5 x 30	0.018	3660
								16 x 20	0.021	3330
3900	398	12.5 x 20	0.025	2480				12.5 x 35	0.016	4120
4700	478	12.5 x 25	0.019	2900	12.5 x 30	0.018	3660	16 x 25	0.017	3810
					16 x 20	0.021	3330			
5600	568	12.5 x 30	0.018	3450	12.5 x 35	0.016	4120			
					16 x 25	0.017	3810			
6800	688	16 x 20	0.021	3250						
		12.5 x 35	0.016	3570						
8200	828	16 x 25	0.017	3630						

Maximum Allowable Ripple Current (mA_{rms}) at 105°C 100kHz

Case Size ΦD x L (mm)

Maximum Impedance (Ω) at 20°C 100kHz

SK

Miniature Aluminum Electrolytic Capacitors

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.

+105°C, Highest Ripple Current (更高紋波), Longest Life Assurance (更長壽命), Lower Impedance (較低阻抗)

STANDARD RATINGS

Voltage (Code)		25V (1E)			35V (1V)			50V (1H)		
Cap. (μF)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current
56	566							6.3 x 12	0.220	500
100	107				6.3 x 12	0.170	700	8 x 12	0.120	950
120	127							8 x 16	0.082	1230
150	157	6.3 x 12	0.170	700				10 x 12.5	0.073	1280
180	187				8 x 12	0.075	1200	8 x 20	0.058	1580
220	227				8 x 16	0.059	1600	10 x 16	0.053	1650
270	277				10 x 12.5	0.053	1700			
330	337	8 x 12	0.075	1200	8 x 20	0.041	1960	10 x 20	0.038	2060
390	397	8 x 16	0.059	1600	10 x 16	0.038	2000	10 x 25	0.032	2420
470	477	10 x 12.5	0.053	1700				12.5 x 20	0.032	2300
560	567	8 x 20	0.041	1960	10 x 20	0.028	2500			
680	687	10 x 16	0.038	2000	10 x 25	0.024	2900	12.5 x 25	0.025	2800
820	827				12.5 x 20	0.025	2600	12.5 x 30	0.023	3370
								16 x 20	0.026	3070
1000	108	10 x 20	0.028	2500				12.5 x 35	0.021	3810
								16 x 25	0.022	3510
1200	128	10 x 25	0.024	2900	12.5 x 25	0.019	3200			
1500	158	12.5 x 20	0.025	2600	12.5 x 30	0.018	3660			
					16 x 20	0.021	3330			
1800	188	12.5 x 25	0.019	3200	12.5 x 35	0.016	4120			
					16 x 25	0.017	3810			
2200	228	16 x 20	0.021	3330						
		12.5 x 30	0.018	3660						
2700	278	12.5 x 35	0.016	4120						
3300	338	16 x 25	0.017	3810						

Maximum Allowable Ripple Current (mArms) at 105°C 100kHz

Case Size Φ D x L (mm)

Maximum Impedance (Ω) at 20°C 100kHz

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Aluminum Electrolytic Capacitors

+105°C, Highest Ripple Current (更高紋波), Longest Life Assurance (更長壽命), Lower Impedance (較低阻抗)

STANDARD RATINGS

Voltage (Code)		63V (1J)			80V (1K)			100V (2A)		
Cap. (μF)	Code	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current	Case Size	Impedance	Ripple Current
33	336							8 x 12	0.290	620
47	476				8 x 12	0.290	620	8 x 16	0.200	780
56	566				8 x 16	0.200	780	10 x 12.5	0.170	780
68	686				10 x 12.5	0.170	780	8 x 20	0.160	1040
82	826	8 x 12	0.180	720	8 x 20	0.160	1040	10 x 16	0.110	1040
100	107	8 x 16	0.130	990	10 x 16	0.110	1040	10 x 20	0.084	1430
120	127	10 x 12.5	0.110	990				12.5 x 16	0.110	1430
								10 x 25	0.069	1620
150	157	8 x 20	0.096	1200	10 x 20	0.084	1430	12.5 x 20	0.062	1750
					12.5 x 16	0.110	1430			
180	187	10 x 16	0.076	1200	10 x 25	0.069	1620			
220	227				12.5 x 20	0.062	1750	12.5 x 25	0.047	2210
		10 x 20	0.056	1570				12.5 x 30	0.042	2400
270	277	12.5 x 16	0.072	1570	12.5 x 25	0.047	2210	16 x 20	0.048	1950
330	337	10 x 25	0.046	1990	12.5 x 30	0.042	2400	12.5 x 35	0.036	2600
					16 x 20	0.048	1950			
								12.5 x 40	0.032	2860
390	397	12.5 x 20	0.041	1990	12.5 x 35	0.036	2600	16 x 25	0.038	2430
								18 x 20	0.045	2270
					12.5 x 40	0.032	2860	16 x 31.5	0.032	2640
470	477	12.5 x 25	0.031	2460	16 x 25	0.038	2430			
					18 x 20	0.045	2270	18 x 25	0.036	2500
		12.5 x 30	0.028	2760				16 x 35.5	0.029	2860
560	567	16 x 20	0.032	2380	16 x 31.5	0.032	2640	18 x 31.5	0.030	2860
680	687	12.5 x 35	0.024	3040	16 x 35.5	0.029	2860	16 x 40	0.027	3510
					18 x 25	0.036	2500	18 x 35.5	0.027	3510
820	827	16 x 25	0.025	2890	16 x 40	0.027	3510	18 x 40	0.026	3860
					18 x 31.5	0.030	2860			
1000	108				18 x 35.5	0.027	3510			
1200	128				18 x 40	0.026	3860			

Maximum Allowable Ripple Current (mA_{RMS}) at 105°C 100kHzCase Size Φ D x L (mm)Maximum Impedance (Ω) at 20°C 100kHz

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