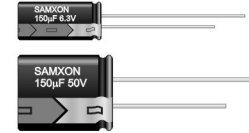


**+105°C, High Ripple Current(高紋波), Lowest Impedance(更低阻抗品)**

**FEATURES**

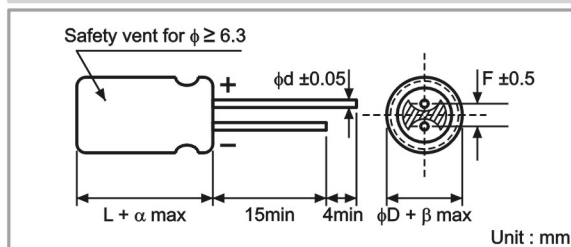
1. Load life of 2000~5000 hours at 105°C.
2. Enabled high ripple current by a reduction of impedance at high frequency range.
3. Lowest impedance for personal computer and storage equipment.



**SPECIFICATIONS**

Item	Performance Characteristics						
Operating Temperature Range	-40 to +105°C						
Rated Working Voltage Range	6.3 to 25V						
Nominal Capacitance Range	100 to 6800µF						
Capacitance Tolerance	±20% (120Hz, +20°C)						
Leakage Current	I = 0.01CV or 3(µA) after 2 minutes whichever is greater measured with rated working voltage at +20°C						
Dissipation Factor tan δ (120Hz, +20°C)	Working Voltage (V)	6.3	10	16	25		
	tan δ (max.)	0.22	0.19	0.16	0.14		
	When nominal capacitance is over 1000µF, tan δ shall be added 0.02 to the listed value increase with of every 1000µF						
Low Temperature Characteristics	Impedance ratio max. at 120Hz						
	Working Voltage (V)	6.3	10	16	25		
	Z-25°C / Z+20°C	2	2	2	2		
High Temperature Loading	Test conditions			Post test requirements at +20°C			
	Duration :	φD	6.3	8	10	12.5 ~	
	Load life	2000h	3000h	4000h	5000h		
	Ambient temp. :	+105°C			Leakage current : ≤ Initial specified value		
Applied voltage :	Rated DC working voltage with max. ripple current			Cap. change : within ±25% of initial measured value			
Shelf Life	Test conditions			Post test requirements at +20°C			
	Duration :	1000 hours			Leakage current : ≤ Initial specified value		
	Ambient temp. :	+105°C			Cap. change : within ±25% of initial measured value		
	Applied voltage :	(None)			tan δ : ≤ 200% of initial specified value		
Others	JIS C - 5101 (IEC 60384)						

**CASE SIZE TABLE**



φD	6.3	8(L<20) 8(L≥20)	10	12.5	16	18
F	2.5	3.5	5.0	5.0	7.5	
φd	0.5		0.6	0.6	0.8	
α	(L < 20) 1.5			(L ≥ 20) 2.0		
β	(D < 20) 0.5			(D ≥ 20) 1.0		

**RIPPLE CURRENT MULTIPLIER**

Temperature Coefficient						Frequency Coefficient					
Temperature(°C)	~ 55	60	70	85	105	Cap(µF)	Freq.(Hz)	120	1K	10K	100K
Factor	2.23	2.17	2.00	1.75	1.00	100 ~ 180		0.40	0.75	0.90	1.00
						220 ~ 560		0.50	0.85	0.94	1.00
						680 ~ 1800		0.60	0.87	0.95	1.00
						2200 ~ 3900		0.75	0.90	0.95	1.00
						4700~		0.85	0.95	0.98	1.00

GK

Miniature Aluminum Electrolytic Capacitors

**+105°C, High Ripple Current(高紋波), Lowest Impedance(更低阻抗品)**

**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
120	127							6.3 x 11	0.130	405
150	157									
180	187									
220	227	6.3 x 11	0.130	405	6.3 x 11	0.130	405	8 x 12	0.072	760
330	337	6.3 x 11	0.130	405	8 x 12	0.072	760	8 x 12	0.072	760
470	477	8 x 12	0.072	760	8 x 12	0.072	760	8 x 16	0.056	995
560	567	8 x 12	0.072	760				10 x 12.5	0.053	1030
680	687				8 x 16	0.056	995	8 x 20	0.041	1250
820	827	8 x 16	0.056	995	10 x 12.5	0.053	1030	10 x 16	0.038	1430
1000	108	10 x 12.5	0.053	1030	8 x 20	0.041	1250	10 x 20	0.023	1820
1200	128	8 x 20	0.041	1250	10 x 16	0.038	1430	10 x 20	0.023	1820
1500	158	10 x 20	0.023	1820	10 x 16	0.038	1430	10 x 20	0.023	1820
2200	228	10 x 25	0.022	2150	10 x 25	0.022	2150	10 x 25	0.022	2150
2700	278				12.5 x 20	0.021	2360	12.5 x 20	0.021	2360
3300	338	12.5 x 20	0.021	2360				12.5 x 25	0.018	2770
3900	398	12.5 x 25	0.018	2770	12.5 x 25	0.018	2770	12.5 x 25	0.018	2770
4700	478	12.5 x 30	0.016	3290	12.5 x 30	0.016	3290	12.5 x 30	0.016	3290
5600	568	12.5 x 35	0.015	3400	16 x 20	0.018	3140	16 x 20	0.018	3140
6800	688	16 x 25	0.016	3460	16 x 25	0.016	3460	16 x 25	0.016	3460

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz

Case Size φD x L(mm)

Maximum Impedance (Ω) at 20°C 100KHz

Voltage (Code)		25V (1E)								
Cap.(μF)	Code	Case Size	Impedance	Ripple Current						
100	107	6.3 x 11	0.130	405						
220	227	8 x 12	0.072	760						
330	337	8 x 16	0.056	995						
		10 x 12.5	0.053	1030						
470	477	8 x 20	0.041	1250						
		10 x 16	0.038	1430						
680	687	10 x 20	0.023	1820						
820	827	10 x 25	0.022	2150						
1000	108	12.5 x 20	0.021	2360						
1500	158	12.5 x 25	0.018	2770						
1800	188	12.5 x 30	0.016	3290						
		16 x 20	0.018	3140						
2200	228	12.5 x 35	0.015	3400						
2700	278	16 x 25	0.016	3460						

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz

Case Size φD x L(mm)

Maximum Impedance (Ω) at 20°C 100KHz