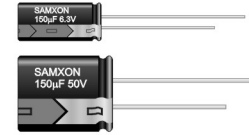


+105°C, High Ripple Current(高紋波), Lowest Impedance(更低阻抗品)

FEATURES

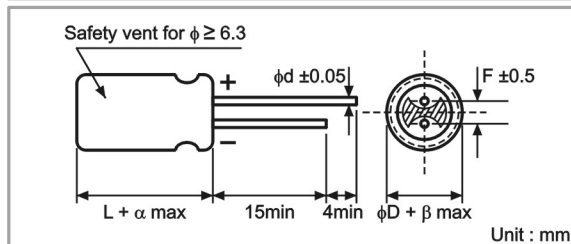
1. Load life of 2000~5000 hours at 105°C.
2. Enabled high ripple current by a reduction of impedance at high frequency range.
3. Lowest impedance for personal computer and storage equipment.



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					
	Duration :	φD	6.3	8	10	12.5 ~
	Load life	2000h	3000h	4000h	5000h	
	Ambient temp. :	+105°C				
Applied voltage :			Rated DC working voltage with max. ripple current			
					Post test requirements at +20°C	
					Leakage current : ≤ Initial specified value	
					Cap. change : within ±25% of initial measured value	
					tan δ : ≤ 200% of initial specified value	
Shelf Life	Test conditions					
	Duration :	1000 hours				
	Ambient temp. :	+105°C				
	Applied voltage :	(None)				
					Post test requirements at +20°C	
					Leakage current : ≤ Initial specified value	
					Cap. change : within ±25% of initial measured value	
					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

+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
					10 x 16	0.038	1430			
1200	128	8 x 20	0.041	1250	10 x 20	0.023	1820	10 x 25	0.022	2150
		10 x 16	0.038	1430						
1500	158	10 x 20	0.023	1820	10 x 25	0.022	2150	12.5 x 20	0.021	2360
2200	228	10 x 25	0.022	2150	12.5 x 20	0.021	2360	12.5 x 25	0.018	2770
2700	278							12.5 x 30	0.016	3290
								16 x 20	0.018	3140
3300	338	12.5 x 20	0.021	2360	12.5 x 25	0.018	2770	12.5 x 35	0.015	3400
3900	398	12.5 x 25	0.018	2770	12.5 x 30	0.016	3290	16 x 25	0.016	3460
					16 x 20	0.018	3140			
4700	478	12.5 x 30	0.016	3290	12.5 x 35	0.015	3400			
5600	568	12.5 x 35	0.015	3400	16 x 25	0.016	3460			
		16 x 20	0.018	3140						
6800	688	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