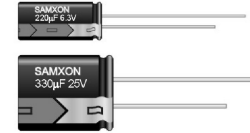
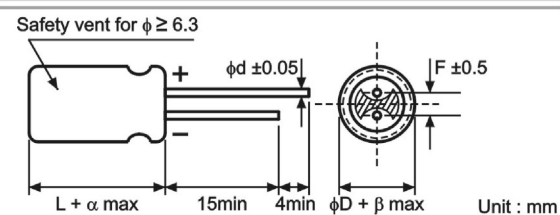


+105°C, High Ripple Current(高紋波), Lowest Impedance(更低阻抗品)**FEATURES**

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 3900μF							
Capacitance Tolerance	±20% (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		
	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	Leakage current : ≤ Initial specified value	
		Load life	2000h	3000h	4000h	5000h	Cap. change : within ±25% of initial measured value	
	Ambient temp. : +105°C					tan δ : ≤ 200% of initial specified value		
	Applied voltage : Rated DC working voltage with max. ripple current							
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

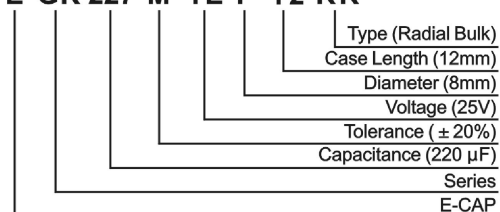
ϕD	6.3	8(L < 20)	8(L ≥ 20)	10	12.5			
F	2.5		3.5	5.0	5.0			
ϕd		0.5	0.6	0.6				
α		(L < 20) 1.5		(L ≥ 20) 2.0				
β		(D < 20) 0.5		(D ≥ 20) 1.0				

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient						
Cap(μF)	Coefficient	Freq.(Hz)	120	1k	10k	100k
	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

PART NUMBER SYSTEM(EXAMPLE:25V220µF)

1 2 3 4 5 6 7 8 9 10 11 12 13 14

E GK 227 M 1E F 12 RR

+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
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						

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						

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

Case Size φD x L(mm)

Maximum Impedance (Ω) at 20°C 100kHz

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.