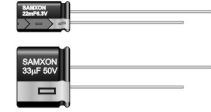


+105°C, High Ripple Current(高紋波), Ultra Low Impedance(極低阻抗)

FEATURES

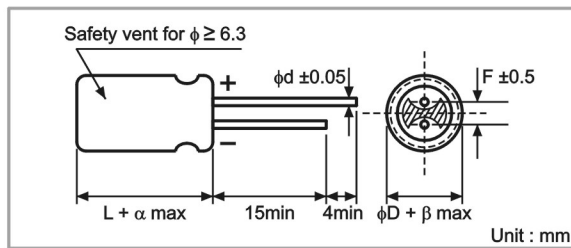
1. Lower impedance than GC series at 100KHz.
2. Enabled high ripple current by a reduction of ESR at high frequency range.
3. Load life:105°C 2000 hours.
4. Suitable for P4 motherboard.



SPECIFICATIONS

Item	Performance Characteristics			
Operating Temperature Range	-25 to +105°C			
Rated Working Voltage Range	6.3 to 16V DC			
Capacitance Tolerance	±20% (120Hz, +20°C)			
Leakage Current	I = 0.03CV (after 2 minutes) I = Leakage Current (μA) C = Nominal Capacitance (μF) V= Rated Voltage(V)			
Dissipation Factor tan δ (120Hz, +20°C)	Working Voltage (V)	6.3	10	16
	tan δ (max.)	0.22	0.19	0.16
When nominal capacitance is over 1000μF, tan δ shall be added 0.02 to the listed value increase with of every 1000μF				
Load Life	After applying rated voltage with max. ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements			
	Capacitance Change	Within±30% of initial value		
	Dissipation Factor	No more than 200% of initial value		
	Leakage Current	No more than specified value		
Low Temperature Stability Impedance Rate	Impedance ratio max. at 120Hz			
	Rated Voltage (V)	6.3	10	16
	Z-25°C / Z+20°C	3	3	3
Others	JIS C - 5101 (IEC 60384)			

CASE SIZE TABLE



φD	8(L<20)	8(L≥20)	10
F	3.5		5.0
φd	0.5	0.6	
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)	65	85	105	Cap(μF)	Freq.(Hz)	120	1K	10K	100K
Factor	2.10	1.70	1.00						

+105°C, High Ripple Current(高紋波), Ultra Low Impedance(極低阻抗)

DIMENSIONS

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
470	477							10 x 12.5	12	2280
680	687				10 x 12.5	12	2280	10 x 12.5	12	2280
								8 x 20	9	2880
								10 x 16	10	2960
820	827				10 x 12.5	12	2280	10 x 16	10	2960
1000	108	8 x 12	14	2210	10 x 12.5	12	2280	10 x 16	10	2960
		10 x 12.5	12	2280	10 x 16	10	2960	8 x 20	9	2880
					8 x 20	9	2880	10 x 20	7	3770
1200	128	8 x 15	14	2210	10 x 16	10	2960	10 x 20	7	3770
1500	158	10 x 12.5	12	2280	10 x 16	10	2960	10 x 20	7	3770
		8 x 20	9	2880	8 x 20	9	2880			
		10 x 16	10	2960						
1800	188	10 x 16	10	2960	10 x 20	7	3770	10 x 25	6.5	4140
		8 x 20	9	2880						
2200	228	10 x 16	10	2960	10 x 25	6.5	4140			
		10 x 20	7	3770						
2700	278	10 x 20	7	3770						
3300	338	10 x 25	6.5	4690						

Maximum Allowable Ripple Current (mA rms) at 105°C 100KHz
 Maximum Impedance (mΩ) at 20°C 100KHz

Case Size φD x L(mm)

GA

Miniature Aluminum Electrolytic Capacitors