

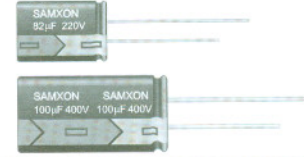
OM Series



+105°C, Overvoltage Resistant Design(耐過電壓品)

FEATURES

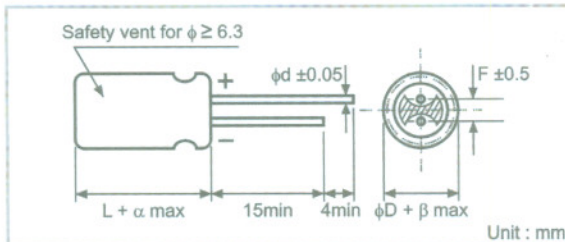
1. Doesn't spark with DC over voltage.
2. Load life:2000 hours at 105°C



SPECIFICATIONS

Item	Performance Characteristics	
Operating Temperature Range	-25 to +105°C	
Rated Working Voltage Range	200&400V	
Nominal Capacitance Range	22 to 330µF	
Capacitance Tolerance	±20%(120Hz, +20°C)	
Leakage Current	I ≤ 0.03CV+40(µA) after 2 minutes application of rated working voltage at +20°C	
Dissipation Factor tanδ (120Hz, +20°C)	Working Voltage(V)	200 400
	tanδ(max.)	0.20 0.24
Low Temperature Characteristics	Impedance ratio max. at 120Hz	
	Rated Voltage(V)	200 400
	Z-25°C/Z+20°C	3 6
High Temperature Loading	Test conditions	Post test requirements at +20°C
	Duration: 2000 hours	Leakage current: ≤ Initial specified value Cap.change: within ±20% of initial measured value
	Ambient temp. : +105°C	tanδ : ≤ 200% of initial specified value
	Applied voltage : Rated DC working voltage with rated ripple current	
Shelf Life	Test conditions	Post test requirements at +20°C
	Duration : 1000 hours	Same limits for high temperature loading
	Ambient temp. : +105°C	
	Applied voltage : (None)	
Others	JIS C-5101 (IEC 60384)	

CASE SIZE TABLE

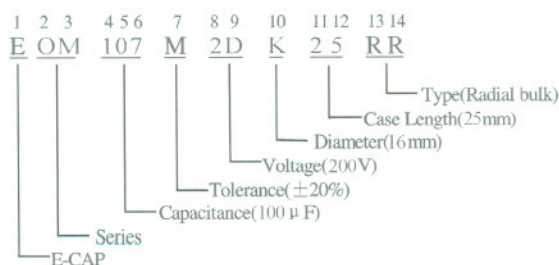


φD	16	18				
F	7.5	7.5				
φd	0.8	0.8				
α			(L<20) 1.5		(L≥20) 2.0	
β			(D<20) 0.5		(D≥20) 1.0	

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient							
Cap(µF)	Coefficient	Freq.(Hz)	50	120	300	1k	10k~
22 ~ 220			0.80	1.00	1.25	1.40	1.60
270 ~ 330			0.90	1.00	1.10	1.13	1.15

PART NUMBER SYSTEM(EXAMPLE:200V100 µ F)



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STANDARD RATING

Voltage(Code)		200V(2D)		400V(2G)				
Cap.(μ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current			
22	226			16x20	145			
33	336			16x25	220			
				18x20	225			
39	396			16x30	245			
				18x25	250			
47	476			16x30	275			
				18x25	280			
56	566			16x40	350			
				18x30	315			
68	686			18x35	350			
82	826	16x20	230	18x40	395			
100	107	16x25	425	18x40	450			
		18x20	250					
120	127	16x30	500					
		18x25	475					
150	157	16x30	560					
		18x25	530					
180	187	16x40	645					
		18x30	630					
220	227	18x35	725					
270	277	18x45	830					
330	337	18x45	920					

Maximum Allowable Ripple Current(mA rms)at 105°C 120Hz

Case Size Φ DxL(mm)

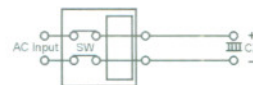
◆DC OVERVOLTAGE TEST CONDITIONS

The vent will operate and the capacitor shall become an open circuit without burning materials when the following excess DC voltage is applied.

● Test DC voltage

Rated voltage	Current limit	Test DC voltage
200Vdc	4A	300/375Vdc
400Vdc	4A	500/600Vdc

● Test circuit



Constant DC voltage/current power supply