

FEATURES

- High ripple current and high reliability.
- Two or three dimensions with same ratings.
- Aluminum case designed explosion-proof vent.
- Best for ballast application.
- Load life with ripple current : 105°C 7,000 hours.



SPECIFICATIONS

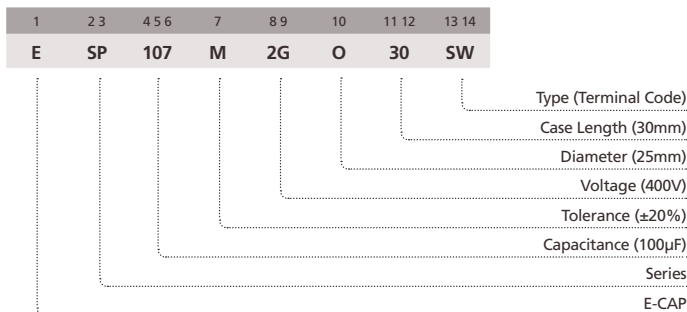
Item	Performance Characteristics							
Operating Temperature Range	-40 to +105°C				-25 to +105°C			
Rated Working Voltage Range	160 to 250V				315 to 450V			
Nominal Capacitance Range	39 to 2200µF							
Capacitance Tolerance	±20% at 120Hz, +20°C							
Leakage Current	I ≤ 3√CV (µA) after 5 minutes application of rated working voltage at +20°C							
tan δ (120Hz, +20°C)	Working Voltage (V)	160	200	250	315	350	400	450
	tan δ (max.)	0.15	0.15	0.15	0.15	0.15	0.15	0.20
Low Temperature Characteristics	Impedance ratio max. at 120Hz							
	Working Voltage (V)	160~250		315~450				
	Z-25°C / Z+20°C	3		8				
High Temperature Loading	Z-40°C / Z+20°C	15		-				
	Test time : 7,000 hours	Test temperature : +105°C			Post test requirements at +20°C			
Shelf Life	Test conditions : Rated DC working voltage with rated ripple current			Leakage current : ≤Initial specified value				Cap. change : within ±20% of the initial measured value
				tan δ : ≤250% of the initial specified value				
Industrial Standard	At +105°C no voltage applied after 1,000 hours and then being stabilized at +20°C the capacitors shall meet the following limits Leakage current : ≤Initial specified value Cap. change : within ±15% of the initial measured value tan δ : ≤150% of the initial specified value							
	JIS C - 5101-4 (IEC 60384-4)							

RIPPLE CURRENT MULTIPLIER

Frequency Coefficient

Coefficient Rated Voltage	Freq. (Hz)			
	60	120	1k	10k~50k
160~250V	0.80	1.00	1.25	1.47
315~450V	0.80	1.00	1.30	1.47

PART NUMBER SYSTEM (EXAMPLE : 400V 100µF)



STANDARD RATINGS

Voltage (Code)		160V (2C)		200V (2D)		250V (2E)		315V (2F)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
82	826							22 x 25	0.64
100	107							22 x 30	0.69
120	127							22 x 30	0.75
								25 x 25	0.75
150	157							22 x 35	0.82
								25 x 30	0.82
								30 x 25	0.82
180	187					22 x 30	0.90	22 x 40	0.90
						25 x 25	0.90	30 x 25	0.90
220	227			22 x 25	1.00	22 x 30	1.00	22 x 45	1.00
						25 x 25	1.00	30 x 30	1.00
270	277	22 x 25	1.10	22 x 30	1.10	22 x 35	1.10	25 x 45	1.10
				25 x 25	1.10	25 x 30	1.10	30 x 35	1.10
						30 x 25	1.10	35 x 30	1.10
330	337	22 x 30	1.20	22 x 30	1.20	22 x 40	1.20	25 x 50	1.20
				25 x 25	1.20	25 x 35	1.20	30 x 40	1.20
						30 x 25	1.20	35 x 30	1.20
390	397	22 x 30	1.30	22 x 35	1.30	22 x 45	1.30	30 x 45	1.30
				25 x 25	1.30	25 x 30	1.30	25 x 35	1.30
						30 x 25	1.30	30 x 30	1.30
470	477	22 x 35	1.40	22 x 40	1.40	25 x 45	1.40	30 x 50	1.40
				25 x 30	1.40	25 x 35	1.40	30 x 35	1.40
						30 x 30	1.40	35 x 30	1.40
560	567	22 x 40	1.50	22 x 45	1.50	25 x 50	1.50	35 x 45	1.50
				25 x 30	1.50	25 x 35	1.50		
				30 x 25	1.50	30 x 30	1.50		
680	687	22 x 45	1.70	25 x 40	1.70	30 x 45	1.70	35 x 50	1.70
				25 x 35	1.70	25 x 40	1.70		
				30 x 30	1.70	30 x 35	1.70		
820	827	25 x 40	2.00	25 x 50	2.00	30 x 50	2.00		
				30 x 40	2.00	30 x 40	2.00		
				30 x 30	2.00	35 x 30	2.00		
1000	108	25 x 45	2.20	30 x 45	2.20	35 x 45	2.20		
		30 x 35	2.20	35 x 35	2.20				
1200	128	25 x 50	2.30	30 x 50	2.30	35 x 50	2.30		
		30 x 40	2.30	35 x 40	2.30				
		35 x 35	2.30						
1500	158	30 x 45	2.50	35 x 50	2.50				
		35 x 35	2.50						
1800	188	30 x 50	2.70						
		35 x 40	2.70						
2200	228	35 x 50	2.90						

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

Case Size ΦD x L (mm)

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.

STANDARD RATINGS

Voltage (Code)		350V (2V)		400V (2G)		450V (2W)	
Cap. (μF)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
39	396					22 x 25	0.37
47	476					22 x 30	0.40
56	566					22 x 35	0.47
						25 x 25	0.47
68	686					22 x 40	0.53
						25 x 30	0.53
82	826	22 x 25	0.64	22 x 35	0.64	22 x 45	0.56
				25 x 25	0.64	25 x 35	0.56
100	107	22 x 30	0.69	22 x 35	0.69	22 x 50	0.64
		25 x 25	0.69	25 x 30	0.69	25 x 40	0.64
120	127	22 x 35	0.75	22 x 40	0.75	30 x 30	0.64
		25 x 30	0.75	25 x 35	0.75	30 x 40	0.64
150	157	22 x 40	0.82	22 x 50	0.82	25 x 45	0.72
		25 x 30	0.82	25 x 40	0.82	25 x 50	0.79
		30 x 25	0.82	30 x 30	0.82	30 x 40	0.79
180	187	22 x 45	0.90	25 x 45	0.90	35 x 30	0.79
		25 x 35	0.90	30 x 35	0.90	30 x 45	0.87
		30 x 30	0.90	35 x 25	0.90	35 x 45	0.87
220	227	22 x 50	1.00	25 x 50	1.00	35 x 35	0.87
		25 x 40	1.00	30 x 40	1.00	30 x 50	1.00
		30 x 30	1.00	35 x 30	1.00	35 x 40	1.00
270	277	25 x 50	1.10	30 x 45	1.10	35 x 40	1.00
		30 x 35	1.10	35 x 35	1.10	35 x 45	1.19
		35 x 30	1.10				
330	337	30 x 45	1.20	30 x 50	1.20	35 x 50	1.38
		35 x 35	1.20	35 x 40	1.20		
390	397	30 x 50	1.30	35 x 45	1.30		
		35 x 40	1.30				
470	477	35 x 40	1.40	35 x 50	1.40		
560	567	35 x 50	1.50				

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

Case Size ΦD x L (mm)