

KM

Series

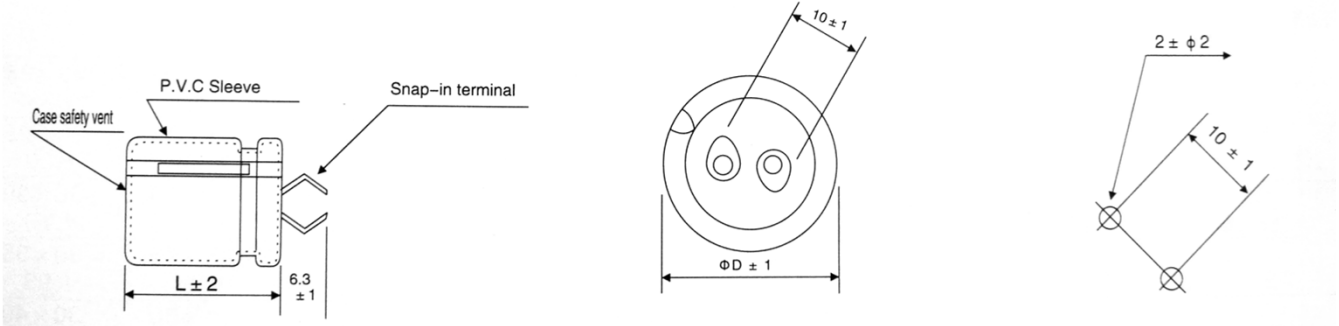
- Endurance with ripple current: 105℃ 2000 hours
- 20mm height snap-in



SPECIFICATIONS

Item	Characteristics		
Category Temperature Range	-25 ~ +105℃		
Voltage Range	160 ~ 400V.DC		
Nominal Cap. Range	39 ~ 390μF		
Capacitance Tolerance	± 20 % (at 120Hz , 20℃)		
Leakage Current	I= 3√CV (After 5 minutes) where, I: max leakage current(μA), C:Nominal capacitance(μF), V:Rated voltage(V) (at 20℃)		
Dissipation Factor (MAX) (tanδ) (at 120Hz ,20℃)	WV	160~400	
	tanδ	0.2	
Impedance Ratio (MAX)	WV	160~400	
	Z-25℃ / Z+20℃	4	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied for 2000 hours at 105℃ .		
	Capacitance change	≤ ±20% of the initial value	
	Dissipation Factor	≤ 200% of the initial specified value	
	Leakage Current	≤ the initial specified value	
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1000 hours at 105℃ without voltage applied.		
	Capacitance Change	≤ ±15% of the initial value	
	Dissipation Factor	≤ 150% of the initial specified value	
	Leakage Current	≤ The initial specified value	

DRAWING



MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency Coefficient

Freq. (Hz)	60(50)	120	300	1K	10K	50K
WV(V)						
160~250	0.81	1.00	1.17	1.32	1.45	1.50
315~450	0.77	1.00	1.16	1.30	1.41	1.43

(2) Temperature Coefficient

Ambient Temperature(℃)	40	60	70	85	105
Coefficient	2.40	2.10	1.78	1.65	1.00

ELCON

Snap-in Terminal Type Aluminum Electrolytic Capacitors

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STANDARD RATINGS

Parameter ΦDxL(mm)	160		180		200		250		400	
	Cap.(μF)	Ripple Current (Arms)	Cap.(μF)	Ripple Current (Arms)	Cap.(μF)	Ripple Current (Arms)	Cap.(μF)	Ripple Current (Arms)	Cap.(μF)	Ripple Current (Arms)
	105°C, 120Hz		105°C, 120Hz		105°C, 120Hz		105°C, 120Hz		105°C, 120Hz	
22X20	150	0.68	120	0.61	120	0.61	82	0.5	39	0.35
25x20	180	0.79	150	0.73	150	0.73	100	0.59	47	0.4
	220	0.88	180	0.79			120	0.65	56	0.44
30x20	270	0.96	220	0.86	180	0.79	150	0.71	68	0.46
	330	1.06	270	0.96	220	0.9	180	0.79	82	0.51
35x20	390	1.2	330	1.1	270	1	220	0.9	100	0.56
			390	1.17	330	1.07			120	0.62