

KMA Series

- 7mm height
- Endurance : 1,000 hours at 105°C
- Solvent resistant type (see PRECAUTIONS AND GUIDELINES)
- RoHS Compliant

KMA

105°C

SRA P126

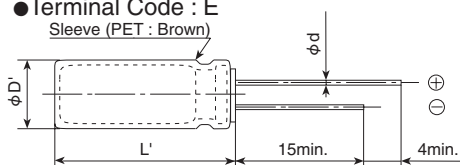


◆ SPECIFICATIONS

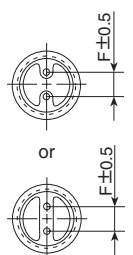
Items	Characteristics									
Category	-55 to +105℃									
Temperature Range										
Rated Voltage Range	4 to 63V _{dc}									
Capacitance Tolerance	±20% (M) (at 20℃, 120Hz)									
Leakage Current	I=0.01CV or 3μA, whichever is greater. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20℃ after 2 minutes)									
Dissipation Factor (tan δ)	Rated voltage (V _{dc})	4V	6.3V	10V	16V	25V	35V	50V	63V	(at 20℃, 120Hz)
	tan δ (Max.)	0.35	0.22	0.19	0.16	0.14	0.12	0.10	0.08	
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	4V	6.3V	10V	16V	25V	35V	50V	63V	(at 120Hz)
	Z(-25℃)/Z(+20℃)	4	3	2	2	2	2	2	2	
	Z(-40℃)/Z(+20℃)	10	6	5	3	3	3	3	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage is applied for 1,000 hours at 105℃.									
	Rated voltage	4 to 16V _{dc}					25 to 63V _{dc}			
	Capacitance change	≤ ±25% of the initial value					≤ ±20% of the initial value			
	D.F. (tan δ)	≤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 1,000 hours at 105℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4.									
	Rated voltage	4 to 16V _{dc}					25 to 63V _{dc}			
	Capacitance change	≤ ±25% of the initial value					≤ ±20% of the initial value			
	D.F. (tan δ)	≤200% of the initial specified value								
	Leakage current	≤The initial specified value								

◆ DIMENSIONS [mm]

- Terminal Code : E
- Sleeve (PET : Brown)

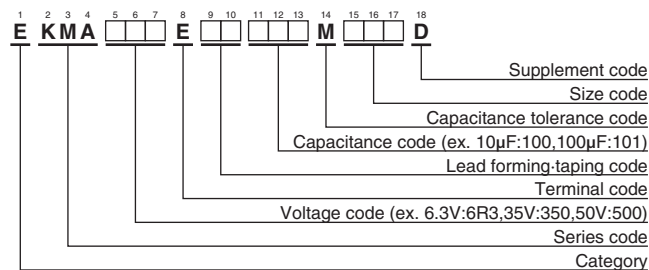


φD	4	5	6.3
φd	0.45	0.45	0.45
F	1.5	2.0	2.5
φD'	φD+0.5max.		
L'	L+1.0max.		



Gas escape end seal

◆ PART NUMBERING SYSTEM



Please refer to "Product code guide (radial lead type)"

◆ STANDARD RATINGS

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (mA rms/105°C, 120Hz)	Part No.
4	33	4 × 7	0.35	26	EKMA4R0E□□330MD07D
	47	4 × 7	0.35	34	EKMA4R0E□□470MD07D
	100	5 × 7	0.35	61	EKMA4R0E□□101ME07D
	220	6.3 × 7	0.35	95	EKMA4R0E□□221MF07D
6.3	22	4 × 7	0.22	31	EKMA6R3E□□220MD07D
	47	5 × 7	0.22	47	EKMA6R3E□□470ME07D
10	33	5 × 7	0.19	43	EKMA100E□□330ME07D
	100	6.3 × 7	0.19	80	EKMA100E□□101MF07D
16	10	4 × 7	0.16	25	EKMA160E□□100MD07D
	22	5 × 7	0.16	39	EKMA160E□□220ME07D
	47	6.3 × 7	0.16	59	EKMA160E□□470MF07D
	100	6.3 × 7	0.16	97	EKMA160E□□101MF07D
25	33	6.3 × 7	0.14	53	EKMA250E□□330MF07D
	47	6.3 × 7	0.14	71	EKMA250E□□470MF07D

WV (V _{dc})	Cap (μF)	Case size φD×L(mm)	tan δ	Rated ripple current (mA rms/105°C, 120Hz)	Part No.
35	4.7	4 × 7	0.12	20	EKMA350E□□4R7MD07D
	10	5 × 7	0.12	30	EKMA350E□□100ME07D
	22	6.3 × 7	0.12	47	EKMA350E□□220MF07D
	33	6.3 × 7	0.12	64	EKMA350E□□330MF07D
50	1.0	4 × 7	0.10	10	EKMA500E□□1R0MD07D
	2.2	4 × 7	0.10	15	EKMA500E□□2R2MD07D
	3.3	4 × 7	0.10	18	EKMA500E□□3R3MD07D
	4.7	5 × 7	0.10	23	EKMA500E□□4R7ME07D
	10	6.3 × 7	0.10	34	EKMA500E□□100MF07D
	22	6.3 × 7	0.10	57	EKMA500E□□220MF07D
63	1.0	4 × 7	0.08	11	EKMA630E□□1R0MD07D
	2.2	4 × 7	0.08	17	EKMA630E□□2R2MD07D
	3.3	5 × 7	0.08	21	EKMA630E□□3R3ME07D
	4.7	6.3 × 7	0.08	26	EKMA630E□□4R7MF07D
	10	6.3 × 7	0.08	43	EKMA630E□□100MF07D

□□ : Enter the appropriate lead forming or taping code.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

United Chemi-Con (UCC):

[EKMA500ETC1R0MD07D](#) [EKMA100ELL150MD07D](#) [EKMA100ETD101MF07D](#) [EKMA350ETC220MF07D](#)
[EKMA350ETD100ME07D](#) [EKMA500ETD100MF07D](#) [EKMA500ETC2R2MD07D](#) [EKMA160ETD220ME07D](#)
[EKMA500ELL4R7ME07D](#) [EKMA160EC3101MF07D](#) [EKMA160ETC101MF07D](#) [EKMA350ELL4R7MD07D](#)
[EKMA500ETD1R0MD07D](#) [EKMA160ETD100MD07D](#) [EKMA350ELL100ME07D](#) [EKMA160ETD470MF07D](#)
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[EKMA160ETC470MF07D](#)