

KMA Series

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

KMA

105°C
SRA

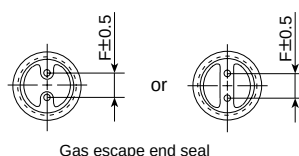
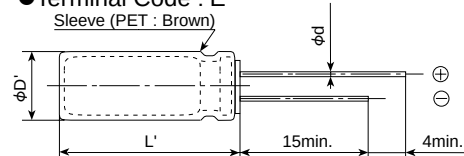


SPECIFICATIONS

Items	Characteristics									
Category										
Temperature Range	-55 to +105°C									
Rated Voltage Range	4 to 63V _{dc}									
Capacitance Tolerance	±20% (M) (at 20°C, 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°C after 2 minutes)									
Dissipation Factor (tanδ)	Rated voltage (V _{dc})	4V	6.3V	10V	16V	25V	35V	50V	63V	(at 20°C, 120Hz)
	tanδ (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°C)/Z(+20°C)	4	3	2	2	2	2	2	2	
	Z(-40°C)/Z(+20°C)	10	6	5	3	3	3	3	3	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for 1,000 hours at 105°C.									
	Rated voltage	4 to 16V _{dc}					25 to 63V _{dc}			
	Capacitance change	≤±25% of the initial value					≤±20% of the initial value			
	D.F. (tanδ)	≤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°C after exposing them for 1,000 hours at 105°C 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. (tanδ)	≤200% of the initial specified value								
	Leakage current	≤The initial specified value								

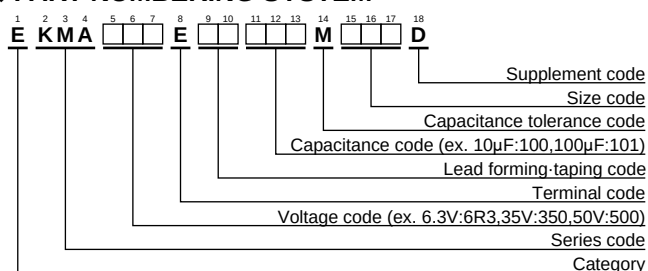
DIMENSIONS [mm]

Terminal Code : E



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.		

PART NUMBERING SYSTEM



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

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φDXL(mm)	tanδ	Rated ripple current (mA _{rms} /105°C,120Hz)	Part No.	WV (Vdc)	Cap (μF)	Case size φDXL(mm)	tanδ	Rated ripple current (mA _{rms} /105°C,120Hz)	Part No.
4	33	4X7	0.35	26	EKMA4R0E□□330MD07D	35	4.7	4X7	0.12	20	EKMA350E□□4R7MD07D
	47	4X7	0.35	34	EKMA4R0E□□470MD07D		10	5X7	0.12	30	EKMA350E□□100ME07D
	100	5X7	0.35	61	EKMA4R0E□□101ME07D		22	6.3X7	0.12	47	EKMA350E□□220MF07D
	220	6.3X7	0.35	95	EKMA4R0E□□221MF07D		33	6.3X7	0.12	64	EKMA350E□□330MF07D
6.3	22	4X7	0.22	31	EKMA6R3E□□220MD07D	50	1.0	4X7	0.10	10	EKMA500E□□1R0MD07D
	47	5X7	0.22	47	EKMA6R3E□□470ME07D		2.2	4X7	0.10	15	EKMA500E□□2R2MD07D
10	33	5X7	0.19	43	EKMA100E□□330ME07D		3.3	4X7	0.10	18	EKMA500E□□3R3MD07D
	100	6.3X7	0.19	80	EKMA100E□□101MF07D		4.7	5X7	0.10	23	EKMA500E□□4R7ME07D
16	10	4X7	0.16	25	EKMA160E□□100MD07D		10	6.3X7	0.10	34	EKMA500E□□100MF07D
	22	5X7	0.16	39	EKMA160E□□220ME07D		22	6.3X7	0.10	57	EKMA500E□□220MF07D
	47	6.3X7	0.16	59	EKMA160E□□470MF07D	63	1.0	4X7	0.08	11	EKMA630E□□1R0MD07D
	100	6.3X7	0.16	97	EKMA160E□□101MF07D		2.2	4X7	0.08	17	EKMA630E□□2R2MD07D
25	33	6.3X7	0.14	53	EKMA250E□□330MF07D		3.3	5X7	0.08	21	EKMA630E□□3R3ME07D
	47	6.3X7	0.14	71	EKMA250E□□470MF07D		4.7	6.3X7	0.08	26	EKMA630E□□4R7MF07D
							10	6.3X7	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](#) [EKMA100ETD101MF07D](#) [EKMA350ETC220MF07D](#) [EKMA350ETD100ME07D](#)
[EKMA500ETD100MF07D](#) [EKMA500ETC2R2MD07D](#) [EKMA160ETD220ME07D](#) [EKMA500ELL4R7ME07D](#)
[EKMA160EC3101MF07D](#) [EKMA160ETC101MF07D](#) [EKMA350ELL4R7MD07D](#) [EKMA500ETD1R0MD07D](#)
[EKMA160ETD100MD07D](#) [EKMA350ELL100ME07D](#) [EKMA160ETD470MF07D](#) [EKMA350ELL330MF07D](#)
[EKMA250ETD470MF07D](#) [EKMA160ELL101MF07D](#) [EKMA350ETC4R7MD07D](#) [EKMA160ETC470MF07D](#)