

KMA Series

- 7mm height, 1000-hours-life at 105°C
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)

KMA

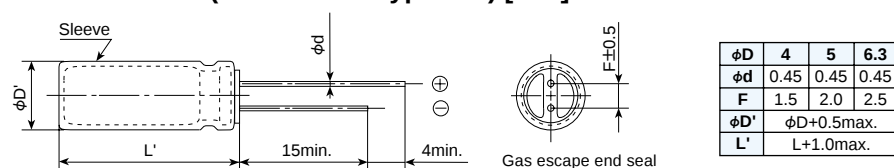
105°C
SRA



◆ SPECIFICATIONS

Items	Characteristics										
Category	Temperature Range										
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 1000 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 1000 hours at 105°C without voltage applied.										
	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 (Radial Lead Type=VB) [mm]



◆PART NUMBERING SYSTEM

Capacitance	Code
0.1μF	R1
0.47μF	R47
1.0μF	1
4.7μF	4R7
10μF	10
100μF	100

◆STANDARD RATINGS

[illegible]

Note : $\rightarrow$ Use next higher voltage part.