



KMA Series

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

KMA

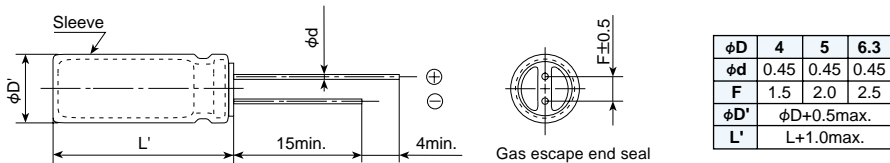
105°C
SRA



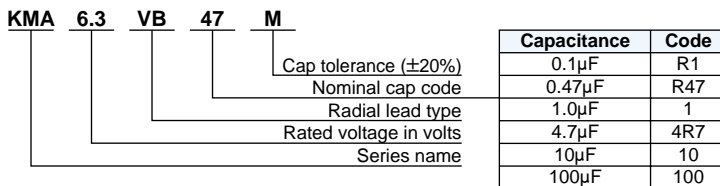
◆SPECIFICATIONS

Items	Characteristics	
Category	-55 to +105°C	
Temperature Range	-55 to +105°C	
Rated Voltage Range	4 to 63V _{dc}	
Capacitance Tolerance	±20% (M)	
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
	tanδ (Max.)	0.35 0.22 0.19 0.16 0.14 0.12 0.10 0.08
		(at 20°C, 120Hz)
Low Temperature Characteristics (Max. Impedance Ratio)	Rated voltage (V _{dc})	4V 6.3V 10V 16V 25V 35V 50V 63V
	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
		(at 120Hz)
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



◆STANDARD RATINGS

μF \ V _{dc}	4	6.3	10	16	25	35	50	63
0.1							4X7 1.3	4X7 1.3
0.15							4X7 2.0	4X7 1.9
0.22							4X7 2.9	4X7 2.9
0.33							4X7 3.5	4X7 4.4
0.47							4X7 5.0	4X7 7.9
0.68							4X7 7.1	4X7 9.2
1.0							4X7 10	4X7 11
1.5							4X7 12	4X7 13
2.2							4X7 15	4X7 17
3.3							4X7 18	5X7 21
4.7						4X7 20	5X7 23	6.3X7 26
6.8				4X7 20		5X7 24	6.3X7 28	
10				4X7 25		5X7 30	6.3X7 34	6.3X7 43
15				4X7 31		6.3X7 37		
22		4X7 31		5X7 39		6.3X7 47	6.3X7 57	
33	4X7 26		5X7 43		6.3X7 53	6.3X7 64		
47	4X7 34	5X7 47		6.3X7 59	6.3X7 71			
68			6.3X7 63					
100	5X7 61		6.3X7 80	6.3X7 97				
220	6.3X7 95							

Note: → Use next higher voltage part.