Series K

K series are not recommended for new design
Select KA Series as atternatives.

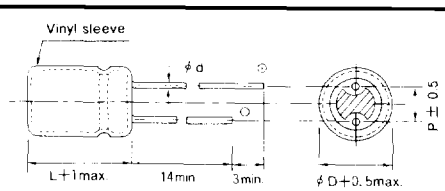
Specifications

Item	Performance Characteristics
Operating Temperature Range	−40 to +85°C
Rated Working Voltage Range	4 to 50V DC
Norminal Capacitance Range	0.1 to 220μF
Capacitance Tolerance	± 20% (120Hz, +20°C)
Leakage Current	I ≤ 0.01CV or 3[μA] whichever is the greater after 2 minutes application of rated working voltage at +20°C
tan δ (120Hz, +20°C)	Working voltage [V] 4 6.3 10 16 25 35 50 tan δ max. 0.35 0.24 0.20 0.16 0.14 0.12 0.10
Impedance	Maximum C·Z (rated cap. [μF] × impedance [Ω]) value at 10kHz, +20°C. Working voltage [V] 4 6.3 20 16 25 35 50 C·Z max. 320 240 180 150 120 100 90
Endurance	Test conditions 2000 hours application of DC working voltage at +85°C Post test requirements at +20°C Leakage current : ≤ Initial specified value Capacitance change : ±20% of initial measured value (±30% for 4V) tan δ : ≤ 200% of initial specified value
Shelf Life	After storage for 1000 hours at +85°C with no voltage applied, the capacitor shall meet the limits of "Endurance".

Explanation of Part Numbers

E	C	E	A	□	□	K	□	□	□	□
Common code			Shape	W.V code		Series code	Capacitance code			Suffix

Dimensions in mm (not to scale)



Body dia. φD	4	5	6.3
Lead dia. d	0.45		
Lead space P	1.5	2.0	2.5

Case Size

φD × L[mm]

W.V. [V.DC] / Cap.[μF]	4 (0G)	6.3 (0J)	10 (1A)	16 (1C)	25 (1E)	35 (1V)	50 (1H)
0.1 (0R1)							4 × 7
0.15 (R15)							4 × 7
0.22 (R22)							4 × 7
0.33 (R33)							4 × 7
0.47 (R47)							4 × 7
0.68 (R68)							4 × 7
1.0 (010)							4 × 7
1.5 (1R5)							4 × 7
2.2 (2R2)							4 × 7
3.3 (3R3)						4 × 7	4 × 7
4.7 (4R7)					4 × 7	4 × 7	5 × 7
6.8 (6R8)				4 × 7	→	5 × 7	6.3 × 7
10 (100)				4 × 7	5 × 7	5 × 7	6.3 × 7
22 (220)		4 × 7	5 × 7	5 × 7	6.3 × 7	6.3 × 7	6.3 × 7
33 (330)	4 × 7	5 × 7	5 × 7	6.3 × 7	6.3 × 7		
47 (470)	4 × 7	5 × 7	6.3 × 7	6.3 × 7	6.3 × 7		
100 (101)	5 × 7	6.3 × 7	6.3 × 7	6.3 × 7			
220 (221)	6.3 × 7	6.3 × 7					