

Surface Mount Type

Series: FK Type : V

■ Features

- Endurance: 2000 to 5000h at 105°C
- Low impedance (40 to 60% less than FC series)
- Miniaturization (30 to 50% less than FC series)
- Vibration-proof product is available upon request. ($\phi 8 \leq$)

Japan



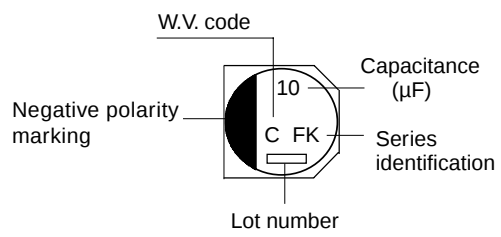
■ Specifications

Category temp. range	-55 to +105°C										
Rated W.V. Range	6.3 to 100V .DC										
Nominal Cap. Range	3.3 to 6800 μ F										
Capacitance Tolerance	±20 % (120Hz/+20°C)										
DC Leakage Current	I ≤0.01CV or 3(μA) After 2 minutes application of rated working voltage at +20°C. (Whichever is greater)										
tan δ	Please see the attached standard products list										
Characteristics at Low Temperature	W.V. (V)	6.3	10	16	25	35	50	63	80	100	(Impedance ratio at 120 Hz)
	Z(-25°C) / Z(+20°C)	2	2	2	2	2	2	2	2	2	
	Z(-40°C)/ Z(+20°C)	3	3	3	3	3	3	3	3	3	
	Z(-55°C)/ Z(+20°C)	4	4	4	3	3	3	3	3	3	
Endurance	After applying rated working voltage for 5000 hours(φ4 to 10;2000h) at +105±2°C and then being stabilized at +20°C, capacitors shall meet the following limits.										
	Capacitance change	±30% of initial measured value									
	tan δ	≤ 200 % of initial specified value									
	DC leakage current	≤ initial specified value									
Shelf Life	After storage for 1000hours at +105±2 °C with no voltage applied and then being stabilized at +20°C, capacitors shall meet the limits specified in Endurance.(With voltage treatment)										
Resistance to Soldering Heat	After reflow soldering (Refer to page 20 for recommendable temperature profile.) and then being stabilized at +20°C, capacitor shall meet the following limits.										
	Capacitance change	±10% of initial measured value									
	tan δ	≤initial specified value									
	DC leakage current	≤initial specified value									

■ Marking

Example. 16V10 μ F

Marking color : BLACK

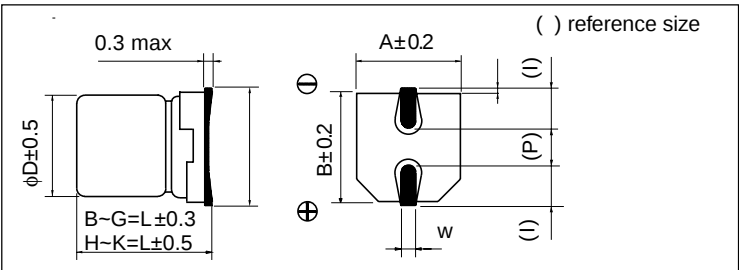


W.V. code

V	6.3	10	16	25	35
Code	j	A	C	E	V

V	50	63	80	100
Code	H	J	K	2A

■ Dimensions in mm (not to scale)



Size code	D	L	A, B	H max.	I	W	P	K
B	4.0	5.8	4.3	5.5	1.8	0.65 $\pm$ 0.1	1.0	0.35 -0.20 to +0.15
C	5.0	5.8	5.3	6.5	2.2	0.65 $\pm$ 0.1	1.5	0.35 -0.20 to +0.15
D	6.3	5.8	6.6	7.8	2.6	0.65 $\pm$ 0.1	1.8	0.35 -0.20 to +0.15
D8	6.3	7.7	6.6	7.8	2.6	0.65 $\pm$ 0.1	1.8	0.35 -0.20 to +0.15
E	8.0	6.2	8.3	9.5	3.4	0.65 $\pm$ 0.1	2.2	0.35 -0.20 to +0.15
F	8.0	10.2	8.3	10.0	3.4	0.90 $\pm$ 0.2	3.1	0.70 $\pm$ 0.20
G	10.0	10.2	10.3	12.0	3.5	0.90 $\pm$ 0.2	4.6	0.70 $\pm$ 0.20
H13	12.5	13.5	13.5	15.0	4.7	0.90 $\pm$ 0.3	4.4	0.70 $\pm$ 0.30
J16	16.0	16.5	17.0	19.0	5.5	1.20 $\pm$ 0.3	6.7	0.70 $\pm$ 0.30
K16	18.0	16.5	19.0	21.0	6.7	1.20 $\pm$ 0.3	6.7	0.70 $\pm$ 0.30