

## CV-FH Series

## Surface Mount Type, Long life (solvent proof)

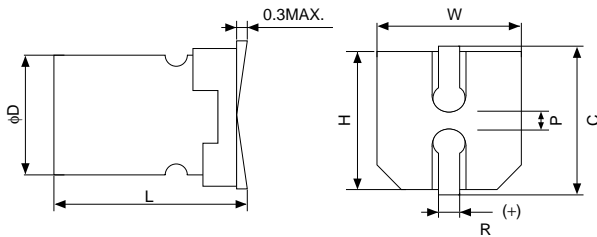
CV-FH series is long life (105°C 2000hrs).  
Solvent proof (within 2 minutes).



### Specifications

Items		Specifications					
Rated voltage (V)		6.3	10	16	25	35	50
Operating temperature range (°C)		-40 to +105					
Capacitance tolerance (%)		±20 (120Hz)					
Tangent of loss angle(tan δ)(MAX.)(120Hz)		0.30	0.24	0.20	0.16	0.14	0.14
Leakage current (L.C.)(μA/after 2min.)(MAX.)		The greater value of either 0.01CV or 3					
Impedance (120Hz) ratio at low temperature (MAX.)	Z <sub>-25°C</sub> /Z <sub>20°C</sub>	4	3	2	2	2	2
	Z <sub>-40°C</sub> /Z <sub>20°C</sub>	8	6	4	4	3	3
High-temperature load 105°C 2000hrs. rated voltage applied.	ΔC/C	Within ±25% of the initial value					
	tan δ	≤ 2.5 times the initial standard					
	L.C.	≤ The initial standard					
Resistance to soldering heat	Test	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.					
	ΔC/C	Within ±10% of the initial value					
	tan δ	≤ The initial standard					
	L.C.	≤ The initial standard					
Other characteristics		Conform to IEC 384-18					

### Dimensions



(unit : mm)

D <sub>+0.5MAX.</sub>	L <sub>+0.3MAX.</sub>	W <sub>±0.2</sub>	H <sub>±0.2</sub>	C <sub>±0.2</sub>	R	P <sub>±0.2</sub>
4	6.0	4.3	4.3	5.0	0.5 to 0.8	1.0
5	6.0	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	0.7 to 1.0	4.6

### Size List

μF \ V	6.3	10	16	25	35	50
0.10						4×6.0 0.7
0.22						4×6.0 1.6
0.33						4×6.0 2.5
0.47						4×6.0 3.5
1.0						4×6.0 7
2.2						4×6.0 11
3.3						4×6.0 13
4.7				4×6.0 13	4×6.0 15	5×6.0 19
10			4×6.0 18	5×6.0 23	5×6.0 25	6.3×6.0 32
22	4×6.0 22	5×6.0 27	5×6.0 30	6.3×6.0 42	6.3×6.0 44	6.3×7.7 60
33	5×6.0 30	5×6.0 35	6.3×6.0 44	6.3×6.0 58	6.3×7.7 77	8×10.5 140
47	5×6.0 36	6.3×6.0 46	6.3×6.0 60	6.3×7.7 91	8×10.5 150	8×10.5 150
100	6.3×6.0 67	6.3×6.0 62	6.3×7.7 95	8×10.5 150	8×10.5 160	10×10.5 220
220	6.3×7.7 105	8×10.5 175	8×10.5 175	8×10.5 195	10×10.5 290	
330	8×10.5 195	8×10.5 195	8×10.5 210	10×10.5 290		
470	8×10.5 210	8×10.5 210	10×10.5 290			
680		10×10.5 300				
1000	10×10.5 300					

Model No.

16CV47FH

47μF, nominal capacitance

16V, rated voltage

φD×L

Ripple current  
mA r.m.s.  
(120Hz, 105°C)