

Surface Mount Type Temp. of wide range (solvent proof)

CV-FS Series

CV-FS series (6.3 to 50V) has stable characteristics at the temperature of wide range (-55 to +105°C), and solvent proof (within 2 minutes).

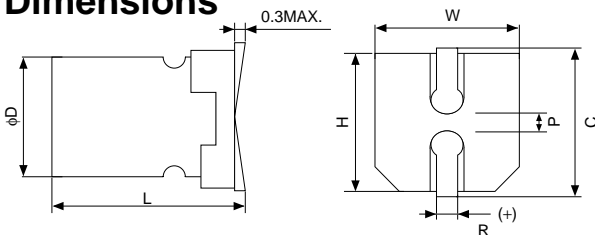
Middle & High Voltage Products add to CV-FS series (-40 to +105°C, 2000hrs).



Specifications

Items		Specifications								
Rated voltage (V)		6.3	10	16	25	35	50	200	400	
Operating temperature range (°C)		-55 to +105							-40 to +105	
Capacitance tolerance (%)		±20 (120Hz)							±20 (120Hz)	
Tangent of loss angle (tan δ)(MAX.)(120Hz)	φ4 to φ6.3	0.24	0.20	0.16	0.14	0.12	0.10	-	-	
	φ8 to φ12.5	0.28	0.24	0.20	0.16	0.14	0.12	0.20	0.25	
Leakage current (L.C.)(μA/after 2min.)(MAX.)		The greater value of either 0.01CV or 3							CV≤1000 ; 0.03CV+15 CV>1000 ; 0.02CV+25	
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{-40°C} /Z _{20°C}	3	3	2	2	2	2	6	10	
	Z _{-55°C} /Z _{20°C}	8	5	4	3	3	3	-	-	
High-temperature load 105°C rated voltage applied	Test time	1000hrs. (φD=12.5, 2000hrs.)							2000hrs.	
	ΔC/C	Within ±25% of the initial value								
	tan δ	≤ Twice 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 _{±0.5MAX.}	L	W _{±0.2}	H _{±0.2}	C _{±0.2}	R	P _{±0.2}
4	5.4 ^{+0.1} _{-0.2}	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4 ^{+0.1} _{-0.2}	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4 ^{+0.1} _{-0.2}	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	6.0 ^{+0.3MAX.}	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7 ^{+0.3MAX.}	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.5 ^{+0.3MAX.}	8.3	8.3	9.0	0.7 to 1.0	3.2
10	7.7 ^{+0.3MAX.}	10.3	10.3	11.0	0.7 to 1.0	4.6
10	10.5 ^{+0.3MAX.}	10.3	10.3	11.0	0.7 to 1.0	4.6
12.5	13.5 ^{+0.5MAX.}	12.8	12.8	13.5	0.7 to 1.0	4.6

Size List

μF \ V	6.3	10	16	25	35	50	200	400
0.1 to 0.47						4×5.4 0.7 to 3.5		
1.0						4×5.4 7		
2.2						4×5.4 11		
3.3						4×5.4 13		
4.7				4×5.4 13	4×5.4 14	5×5.4 16	10×10.5 64	10×10.5 36
6.8								12.5×13.5 47
10			4×5.4 18	5×5.4 20	5×5.4 21	6.3×5.4 24	10×10.5 64	12.5×13.5 47
22	4×5.4 22	5×5.4 25	5×5.4 27	6.3×5.4 36	6.3×5.4 38	6.3×6.0 32	12.5×13.5 112	
33	5×5.4 27	5×5.4 30	6.3×5.4 40	6.3×5.4 44	6.3×6.0 42	6.3×7.7 60	12.5×13.5 112	
47	5×5.4 33	6.3×5.4 41	6.3×5.4 48	6.3×6.0 48	6.3×6.0 49	6.3×7.7 63		
82						10×7.7 140		
100	6.3×5.4 50	6.3×5.4 53	6.3×5.4 60	6.3×7.7 91	6.3×7.7 84	8×10.5 140		
150		6.3×6.0 62	6.3×7.7 95	8×10.5 140	8×10.5 155	10×7.7 155		
220	6.3×6.0 67	6.3×7.7 105	6.3×7.7 105	8×10.5 175	8×10.5 190	10×10.5 220		
330	6.3×7.7 105	8×10.5 195	8×10.5 195	8×10.5 220	10×10.5 300			
390						12.5×13.5 380		
470	8×10.5 210	8×10.5 210	8×10.5 230	10×10.5 300	12.5×13.5 410			
680			10×10.5 310		12.5×13.5 430			
1000	8×10.5 230	10×10.5 310		12.5×13.5 460				
1500	10×10.5 310		12.5×13.5 500					
2200		12.5×13.5 510						
3300	12.5×13.5 520							

Model No. 16CV470FS 10CV470FSA φD×L Ripple current mA r.m.s. (120Hz, 105°C)

nominal capacitance (μF) (μF) 10×7.7 ; CV-FSA series

rated voltage (V) (V)