

FVC Series

125°C · 135°C
High Capacitance



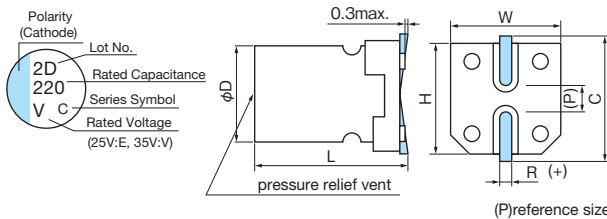
- 125°C : 4,000hours, 135°C : 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



Specifications

Items	Condition	Specifications	
Rated voltage (V)	—	25	35
Surge voltage (V)	Room temperature	32	44
Category temperature range (°C)	—	-55 to +135	
Capacitance tolerance (%)	120Hz/20°C	M : ±20	
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.14	0.12
Leakage current (LC)	μA/after 2minutes (max.), 20°C	0.01CV	
Endurance	125°C, 135°C rated voltage applied (With the rated ripple current)	Test	4,000hours
		ΔC/C	Within ±30% of the initial value
		tanδ	Less than 200% of the specified value
		ESR	Less than 200% of the specified value
		LC	Less than the specified value

Marking, Dimensions



(Unit : mm)

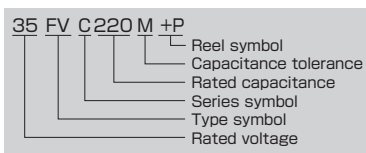
D ^{±0.5}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P
8	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6
10	13.8	10.3	10.3	11.0	1.0 to 1.4	4.6
10	16.5	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, ESR, Rated Ripple Current

μF	Items	25				35			
		Case size φDxL (mm)	ESR (mΩmax.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)		Case size φDxL (mm)	ESR (mΩmax.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)	
				125°C	135°C			125°C	135°C
220					8x10.5	27	3100	1500	
330		8x10.5	27	3100	1500				
390					10x10.5	20	3600	1750	
470					10x12.5	16	4100	1950	
560		10x10.5	20	3600	1750	10x13.8	15	4300	2050
680		10x12.5	16	4100	1950	10x16.5	11	5200	2500
820		10x13.8	15	4300	2050				
1000		10x16.5	11	5200	2500				

Please refer to page 18 for ripple current frequency coefficients.

Part number



Soldering Condition
Reflow Soldering Condition
Ripple Current Frequency Coefficient
FVL
HVHZ-HVH
HVPZ-HVP
HVT
HVHF
HVPF
HVPX
HVTX
HVHY
HVPY
HVTY
HVHC
HVPC
FVC
FVF
FVS
HEHF
HEPF
HEPC