

# FVC Series

125°C·135°C

High Capacitance

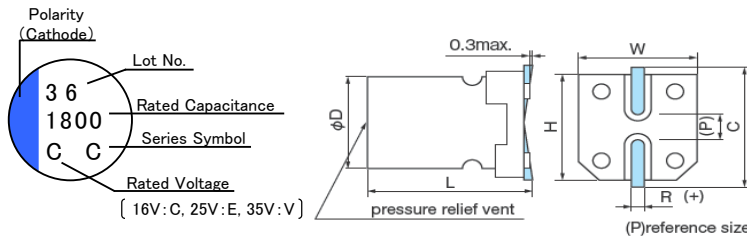
- 125°C: 4,000hours, 135°C: 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



## Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	16	25	35
Surge voltage (V)	Room temperature	20	32	44
Category temperature range (°C)	—	-55 to +135		
Capacitance tolerance (%)	120Hz/20°C	M: ±20		
Dissipation Factor (tan δ)	tan δ (max.) 120Hz/20°C	0.16	0.14	0.12
Leakage current (LC)	μA/after 2 minutes (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	
		tan δ	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	16				25			
		Case size φD × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)		Case size φD × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)	
				125°C	135°C			125°C	135°C
330					8 × 10.5	27	3100	1500	
390					8 × 10.5	27	3100	1500	
560		8 × 10.5	27	3100	1500	10 × 10.5	20	3600	1750
680					10 × 10.5 ★	20	3600	1750	
					10 × 12.5	16	4100	1950	
820					10 × 12.5 ★	16	4100	1950	
					10 × 13.8	15	4300	2050	
1000					10 × 13.8 ★	15	4300	2050	
		10 × 10.5	20	3600	1750	10 × 16.5	11	5200	2500
1200		10 × 12.5	16	4100	1950	10 × 16.5	11	5200	2500
1500		10 × 13.8	15	4300	2050				
1800		10 × 16.5	11	5200	2500				

★ S type

μF	Items	35			
		Case size φD × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)	
				125°C	135°C
220		8 × 10.5	27	3100	1500
390		10 × 10.5	20	3600	1750
470		10 × 12.5	16	4100	1950
560		10 × 13.8	15	4300	2050
680		10 × 16.5	11	5200	2500

## Part number

