

FVCL Series

105°C

High Capacitance

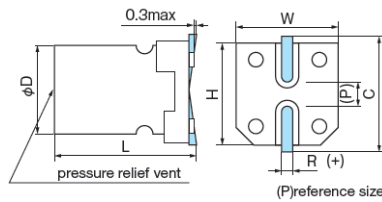
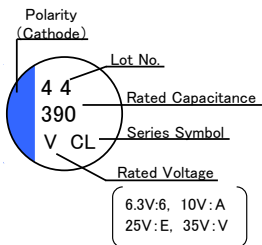
- 105°C 5,000hours
- Solvent proof (within 2 minutes)
- Suitable for consumer and industrial applications (not compliant to AEC-Q200)

NEW

■ Specifications

Items		Specifications			
Rated voltage (V)	—	6.3	10	25	35
Surge voltage (V)	Room temperature	8.2	13	32	44
Category temperature range (°C)	—	-55 to +105			
Capacitance tolerance (%)	120Hz/20°C	M: ±20			
Dissipation Factor (tan δ)	tan δ (max.) 120Hz/20°C	0.18	0.16	0.14	0.12
Leakage current (LC)	μ A/after 2 minutes (max.)	0.05CV			
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	5,000hours		
		Δ C/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	0.7~1.0	3.2
10	10.5	10.3	10.3	11.0	1.0~1.4	4.6
10	12.5	10.3	10.3	11.0	1.0~1.4	4.6
10	13.8	10.3	10.3	11.0	1.0~1.4	4.6
10	16.5	10.3	10.3	11.0	1.0~1.4	4.6

■ Size, ESR, Rated Ripple Current

Items μ F	6.3			10		
	Case size φ D × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mArms/100kHz)	Case size φ D × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mArms/100kHz)
820				8 × 10.5	18	3600
1200	8 × 10.5	18	3600			
1500				10 × 10.5	16	3900
1800				10 × 12.5	14	4300
2200	10 × 10.5	16	3900	10 × 13.8	12	4700
2700	10 × 12.5	14	4300	10 × 16.5	10	5100
3300	10 × 13.8	12	4700			
3900	10 × 16.5	10	5100			

Items μ F	25			35		
	Case size φ D × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mArms/100kHz)	Case size φ D × L (mm)	ESR (mΩ max.) (20°C/100kHz)	Rated ripple current (mArms/100kHz)
220				8 × 10.5	27	2800
390	8 × 10.5	27	2800	10 × 10.5	20	3200
470				10 × 12.5	16	3700
680	10 × 10.5	20	3200			
820	10 × 12.5	16	3700			

■ Part number

