

FVCH Series

125°C·135°C

High Capacitance,
High Ripple Current

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

NEW

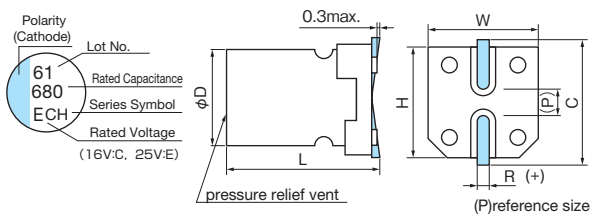
Aluminum Electrolytic
Capacitors with Hybrid
Conductive Polymer

- 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 UPGRADE
- FVCL NEW
- FVCH NEW
- FVFP
- FVF UPGRADE
- FVS
- FEC UPGRADE
- FEF UPGRADE

■ Specifications

Items	Condition	Specifications	
Rated voltage (V)	—	16	25
Surge voltage (V)	Room temperature	20	32
Category temperature range (°C)	—	-55 to +135	
Capacitance tolerance (%)	120Hz/20°C	M : ±20	
Dissipation Factor(tan δ)	tanδ(max.) 120Hz/20°C	0.16	0.14
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	Not more than 200% of the specified value
		ESR	Not more than 200% of the specified value
		LC	Not more than the specified value
Shelf Life	135°C, 1,000hours(with no voltage load)	Shall meet the endurance spec above after voltage treatment at 20deg.C per JIS C 5101-4 4.1.	

■ 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

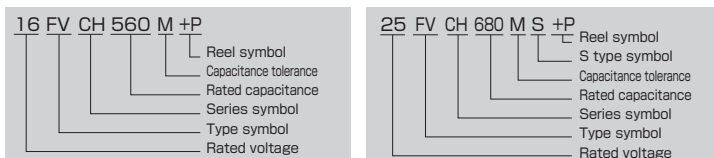
■ Size, ESR, Rated Ripple Current

μF	Items	16				25			
		Case size φD×L (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current (mArms/100kHz)		Case size φD×L (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current (mArms/100kHz)	
				125°C	135°C			125°C	135°C
330					8×10.5	20	3700	2500	
390					8×10.5	20	3700	2500	
560		8×10.5	20	3700	2500	10×10.5	18	4200	2800
680					10×10.5★	18	4200	2800	
					10×12.5	14	4700	3100	
820					10×12.5★	14	4700	3100	
					10×13.8	13	5000	3300	
1000		10×10.5	18	4200	2800	10×13.8★	13	5000	3300
					10×16.5	11	5900	4000	
1200		10×12.5	14	4700	3100	10×16.5	11	5900	4000
1500		10×13.8	13	5000	3300				
1800		10×16.5	11	5900	4000				

Please refer to page 20 for ripple current frequency coefficients.

★ S type

■ Part number



Please refer to page 18 for anti-vibration structure.