

FVCH Series

125°C·135°C

High Capacitance,
High Ripple Current

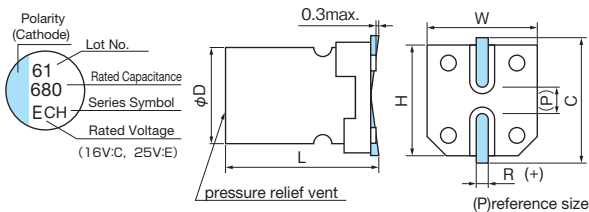
- 125°C 4,000hours, 135°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

NEW

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

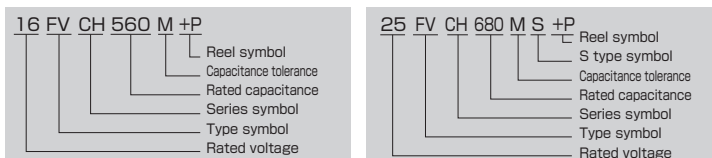
Size, ESR, Rated Ripple Current

V Items μF	16				25			
	Case size φD×L (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current (mA rms/100kHz)		Case size φD×L (mm)	ESR(mΩmax.) (20°C/100kHz)	Rated ripple current (mA rms/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.

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**