

FVL Series

105°C · 125°C



- 105°C : 5,000hours, 125°C : 2,000hours
- 85°C, 85%RH 1,000 to 2,000hours
- Solvent proof (within 2 minutes) ● AEC-Q200

Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	6.3	10	
Surge voltage (V)	Room temperature	8.2	13	
Category temperature range (°C)	—	-55 to +125		
Capacitance tolerance (%)	120Hz/20°C	M : ±20		
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.18	0.16	
Leakage current (LC)	μA/after 2minutes (max.), 20°C	The greater value of either 0.05CV or 100		
Endurance	rated voltage applied (With the rated ripple current)	Test	105°C : 5,000hours, 125°C : 2,000hours	
		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	
Bias Humidity Test	85°C, 85%RH rated voltage applied	Test	φ6.3 : 1,000hours, φ8, φ10 : 2,000hours	
		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	

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

FVF

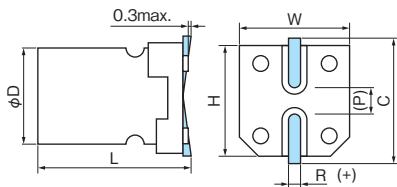
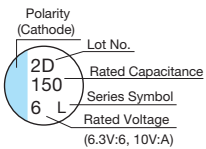
FVS

HEHF

HEPF

HEPC

Marking, Dimensions



A pressure relief vent is provided for φD=8 or bigger (P)reference size

(Unit : mm)

D ^{+0.5}	L ^{+0.3}	W ^{+0.2}	H ^{+0.2}	C ^{+0.2}	R	P
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
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

Size, ESR, Rated Ripple Current

Items μF	6.3				10			
	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)	
			105°C	125°C			105°C	125°C
100					6.3x6.0	36	1700	950
150	6.3x6.0	36	1700	950	6.3x7.7	32	2100	1150
220	6.3x7.7	32	2100	1150				
470					8x10.5	16	3200	1800
560	8x10.5	16	3200	1800				
820					10x10.5	15	3900	2200
1000	10x10.5	15	3900	2200				

Please refer to page 18 for ripple current frequency coefficients.

Part number

