Hybrid Conductive Polymer Type / Surface Mount Type **RoHS compliance**

FVL Series

105℃・125℃

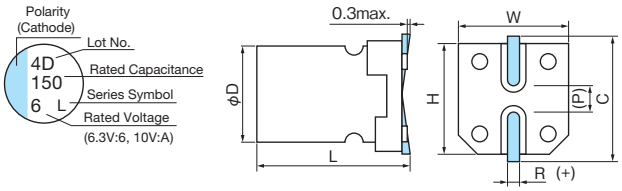


- 105℃ 5,000hours, 125℃ 2,000hours
- 85℃, 85%RH 1,000 to 2,000hours
- Solvent proof (within 2 minutes) ● AEC-Q200

■ Specifications

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



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

V / Items / μF	6.3				10			
	Case size φDxL(mm)	ESR(mΩmax.) (20℃/100kHz)	Rated ripple current(mArms/100kHz)		Case size φDxL(mm)	ESR(mΩmax.) (20℃/100kHz)	Rated ripple current(mArms/100kHz)	
			105℃	125℃			105℃	125℃
100					6.3×6.0	36	1700	950
150	6.3×6.0	36	1700	950	6.3×7.7	32	2100	1150
220	6.3×7.7	32	2100	1150				
470					8×10.5	16	3200	1800
560	8×10.5	16	3200	1800				
820					10×10.5	15	3900	2200
1000	10×10.5	15	3900	2200				

Please refer to page 20 for ripple current frequency coefficients.

■ Part number

6 FV L 150 M +P
- +P : Reel symbol
- M : Capacitance tolerance
- 150 : Rated capacitance
- L : Series symbol
- FV : Type symbol
- 6 : Rated voltage