

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

Aluminum Electrolytic Capacitors with Hybrid Conductive Polymer

HVHF Series

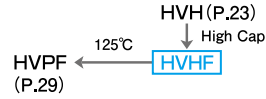
105°C Long Life

High Ripple Current
High Capacitance



NEW

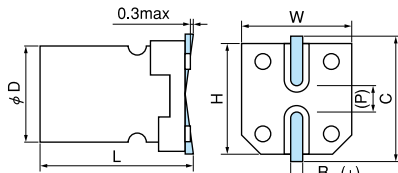
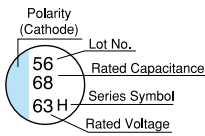
- 105°C 5,000 to 10,000hours
- Solvent proof (within 2 minutes)



Specifications

Items	Condition	Specifications				
Rated voltage (V)	—	25	35	50	63	80
Surge voltage (V)	Room temperature	32	44	63	79	100
Category temperature range (°C)	—	-55 to +105				
Capacitance tolerance (%)	120Hz/20°C	M : ±20				
Dissipation Factor (tan δ)	tanδ (max) 120Hz/20°C	0.14	0.12	0.10	0.08	0.08
Leakage current (LC)	μA/after 2minutes (max)	≤ 63V	The greater value of either 0.01CV or 3			
		80V	The greater value of either 0.05CV or 100			
		Test	10,000hours (6.3×6.0 5,000hours)			
		ΔC/C	Within ±30% of the initial value			
		tan δ	Less than 200% of the specified value			
Endurance	105°C rated voltage applied (With the rated ripple current)	ESR	Less than 200% of the specified value			
		LC	Less than the specified value			

Marking, Dimensions



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

(Unit : mm)

D ^{+0.5max}	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
10	12.5	10.3	10.3	11.0	1.0 to 1.4	4.6

Size, ESR, Rated Ripple Current

μF \ V	25	35	50	63	80
10				6.3×6.0 120 1000	
15				6.3×6.0 ★ 120 1000 6.3×7.7 80 1500	
22			6.3×6.0 80 1100	6.3×7.7 80 1500	8×10.5 45 1550
33			6.3×7.7 40 1600	8×10.5 40 1700	10×10.5 36 1700
39					10×12.5 32 1800
47		6.3×6.0 60 1300		8×10.5 40 1700	
56	6.3×6.0 50 1300			10×10.5 30 1800	
68		6.3×7.7 35 2000	8×10.5 30 1800	10×10.5 ★ 30 1800 10×12.5 22 2100	
82				10×10.5 30 1800	
100	6.3×7.7 30 2000			10×12.5 22 2100	
120			10×10.5 28 2000		
150		8×10.5 27 2300	10×12.5 19 2300		
220	8×10.5 27 2300				
270		10×10.5 20 2500			
330	10×10.5 20 2500	10×12.5 17 2800			
470	10×12.5 16 2800				

Please refer to page 20 for ripple current frequency coefficients.

★S type

ESR(mΩ)max at 100kHz, 20°C

Case size: φDxL(mm)

Rated ripple current
mA Arms(100kHz, 105°C)

Part number

