

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVHF Series

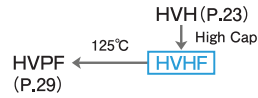
105°C Long Life

High Ripple Current
High Capacitance



NEW

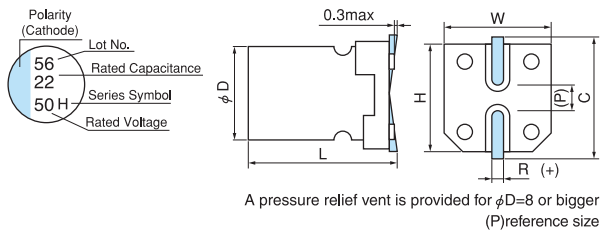
- 105°C 5,000hours
- Solvent proof (within 2 minutes)



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)	tan δ (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			
Endurance	105°C rated voltage applied (With the rated ripple current)	Test	5,000hours			
		ΔC/C	Within ±30% of the initial value			
		tan δ	Less than 200% of the specified value			
		ESR	Less than 200% of the specified value			
		LC	Less than the specified value			

Marking, Dimensions



(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					6.3×7.7	80 1500	
22				6.3×6.0	80 1100	8×10.5	45 1550
33				6.3×7.7	40 1600	10×10.5	36 1700
39						10×12.5	32 1800
47			6.3×6.0	60 1300			
56	6.3×6.0	50 1300			10×10.5	30 1800	
68			6.3×7.7	35 2000	8×10.5	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.

ESR(mΩ)max at 100kHz, 20°C

Case size: φD×L(mm)

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

Part number

