

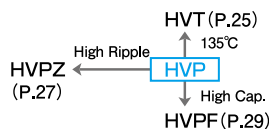
HVP Series

125°C Super Low ESR

High Voltage, High Reliability



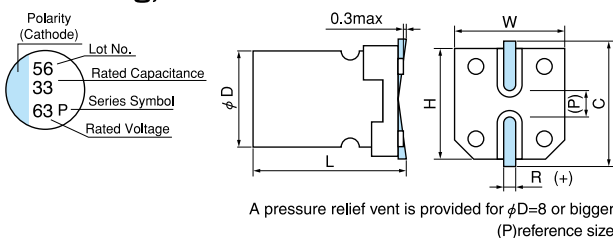
- 125°C, 2,000 to 3,000hours
- Solvent proof (within 2 minutes)



Specifications

Items	Condition	Specifications										
Rated voltage (V)	—	16	25	35	40	50	63	80	100	125		
Surge voltage (V)	Room temperature	20	32	44	50	63	79	100	125	157		
Category temperature range (°C)	—	-55 to +125										
Capacitance tolerance (%)	120Hz/20°C	M : ±20										
Dissipation Factor (tan δ)	tan δ (max) 120Hz/20°C	0.16										
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	125°C rated voltage applied (With the rated ripple current)	Test	16V	φ6.3 : 2,000hours, D≥φ8 : 2,500hours								
			25V ≤	φ6.3 : 2,000hours, D≥φ8 : 3,000hours								
		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

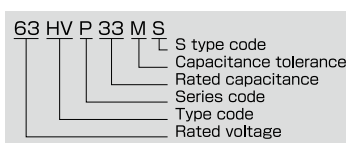
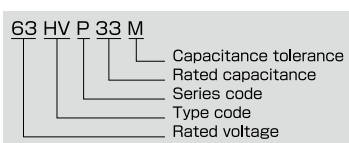
μF \ V	16	25	35	40	50
10					6.3×6.0 ★ 120 690
15					6.3×7.7 80 840
18				6.3×6.0 110 720	
27			6.3×6.0 100 760	6.3×7.7 70 870	
33					8×10.5 35 1170
47		6.3×6.0 60 890	6.3×7.7 60 910		
56				8×10.5 32 1220	10×10.5 25 1390
68		6.3×7.7 45 980			
82	6.3×6.0 55 970				10×12.5 19 1590
100			8×10.5 30 1260	10×10.5 24 1440	
120	6.3×7.7 40 1160			10×12.5 18 1650	
150		8×10.5 27 1330	10×10.5 23 1480		
220			10×12.5 17 1700		
270	8×10.5 26 1540	10×10.5 22 1520			
330		10×12.5 16 1740			
470	10×10.5 21 2010				
560	10×12.5 15 2320				

μF \ V	63	80	100	125
6.8	6.3×6.0 150 670			
10	6.3×7.7 100 740		10×10.5 80 870	10×10.5 90 750
12		10×10.5 70 900	10×10.5 80 870	
15		10×10.5 70 900	10×12.5 60 1000	
18		10×12.5 50 1100		
22	8×10.5 40 1090			
33	8×10.5★ 40 1090			
	10×10.5 30 1260			
47	10×10.5 30 1260			
56	10×12.5 22 1440			

Please refer to page 20 for ripple current frequency coefficients.

★ S type

Part number



Rated ripple current
mArms(100kHz, 125°C)

ESR(mΩ)
max at 100kHz, 20°C