

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVP Series

125°C

High Voltage

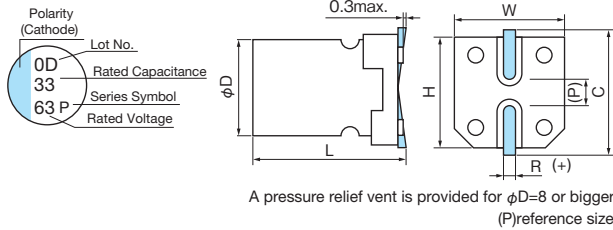


- 125°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

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)	tanδ (max.) 120Hz/20°C	0.16											
Leakage current (LC)	μA/after 2minutes (max.)	≤ 63V	The greater value of either 0.01CV										
		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										
		tanδ	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 ^{+0.5}	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
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 ★
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			6.3×7.7	45 980				8×10.5	32 1220	10×10.5	25 1390
68											
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 18 for ripple current frequency coefficients.

★ S type

ESR(mΩ)max. at 100kHz, 20°C

Case size: φDxL(mm)

Rated ripple current
mA rms (100kHz, 125°C)

Part number

