

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

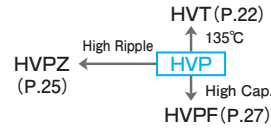
HVP Series

125°C

High Voltage



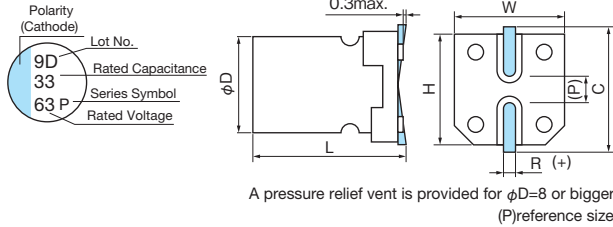
- 125°C 2,000 to 3,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



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										6.3×7.7	80 840
27						6.3×6.0	100 760	6.3×6.0	110 720		
33										6.3×7.7	70 870
47										8×10.5	35 1170
56				6.3×6.0	60 890	6.3×7.7	60 910				
68				6.3×7.7	45 980			8×10.5	32 1220	10×10.5	25 1390
82	6.3×6.0	55 970								10×12.5	19 1590
100											
120	6.3×7.7	40 1160				8×10.5	30 1260	10×10.5	24 1440		
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									
12				10×10.5	70 900	10×10.5	80 870	10×10.5	90 750		
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 17 for ripple current frequency coefficients.

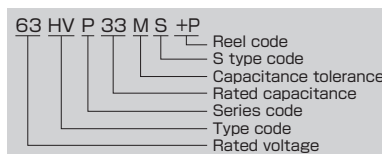
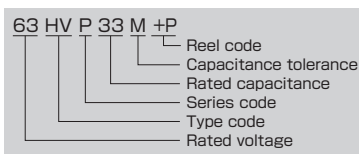
★ S type

ESR(mΩ)max. at 100kHz, 20°C

Case size: φDxL(mm)

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

Part number



Soldering Condition
Reflow Soldering Condition
Ripple Current Frequency Coefficient

HVA

HVBF

HVH

HVP

HVT

HVJ

HVHZ

HVPZ

HVHF

HVPF

HVPX

HVTX

HVPY **NEW**

HVTY **NEW**

HVPC

HEHZ

HEPZ

HEHF

HEPF