

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVJ Series

150°C

Long Life



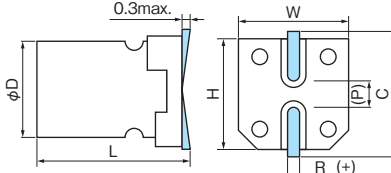
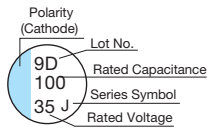
- 150°C 1,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



Specifications

Items	Condition	Specifications			
Rated voltage (V)	—	25	35	50	63
Surge voltage (V)	Room temperature	32	44	63	79
Category temperature range (°C)	—	-55 to +150			
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.)	0.05CV			
Endurance	150°C, 1,000hours rated voltage applied (With the rated ripple current)	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



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

(Unit : mm)

D ^{±0.5}	L ^{±0.3}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P
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

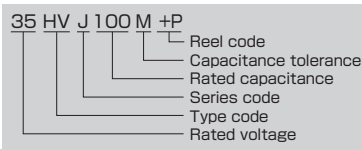
Size, ESR, Rated Ripple Current

μF \ V	25		35		50		63	
15							6.3×7.7	100 380
22					6.3×7.7	80 410		
33							8×10.5	40 610
47			6.3×7.7	60 510				
56					8×10.5	35 660	10×10.5	30 710
68	6.3×7.7	45 540					10×12.5	22 810
100			8×10.5	30 710	10×10.5	28 780		
120					10×12.5	19 890		
150	8×10.5	27 740	10×10.5	23 830				
220			10×12.5	17 950				
270	10×10.5	22 850						
330	10×12.5	16 970						

Please refer to page 17 for ripple current frequency coefficients.

ESR(mΩ)max. at 100kHz, 20°C
Case size: φDxL(mm) Rated ripple current
mA_{rms}(100kHz, 150°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