

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVPZ Series

125°C High Reliability

High Ripple



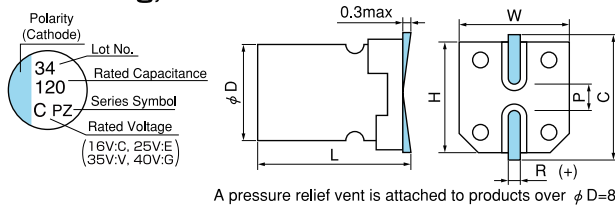
- 125°C, 1,500 to 3,000hrs.
- Solvent proof (within 2 minutes)

NEW

Specifications

Items	Condition		Specifications			
Rated voltage (V)	—		16	25	35	40
Surge voltage (V)	Room temperature		20	32	44	50
Category temperature range (°C)	—		−55 to +125			
Capacitance tolerance (%)	120Hz/20°C		M : ±20			
Dissipation Factor (tan δ)	120Hz/20°C		0.16			
Leakage current (LC)	μA/after 2minutes (max)		The greater value of either 0.01CV or 3			
Endurance	125°C rated voltage applied (With the rated ripple current)	Test	16V	φ6.3 : 1,500hrs., D≥φ8 : 2,500hrs.		
			25V≤	φ6.3×6.0 : 1,500hrs., φ6.3×7.7 : 2,000hrs., D≥φ8 : 3,000hrs.		
		ΔC/C	Within ±30% of the initial value			
		tan δ	≤ 2 times the initial specified value			
		ESR	≤ 2 times the initial specified value			
		LC	≤ The initial specified value			

Marking, Dimensions



(Unit : mm)

D+0.5max	L±0.3	W±0.2	H±0.2	C±0.2	R	P±0.2
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 List, ESR, Rated Ripple Current

μF	V	16			25			35			40		
18											6.3×6.0	55	1050
27								6.3×6.0	50	1070	6.3×7.7	48	1230
47					6.3×6.0	40	1260	6.3×7.7	45	1280			
56											8×10.5	30	1710
68					6.3×7.7	35	1380						
82		6.3×6.0	38	1320									
100								8×10.5	28	1780	10×10.5	21	2360
120		6.3×7.7	32	1440							10×12.5	16	2700
150					8×10.5	25	1880	10×10.5	20	2440			
220								10×12.5	15	2800			
270		8×10.5	23	1970	10×10.5	19	2500						
330					10×12.5	14	2890						
470		10×10.5	18	2620									
560		10×12.5	14	3030									

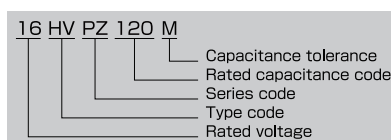
Please refer to page 20 for the ripple current frequency coefficient.

ESR(mΩ)
max at 100kHz, 20°C

Case size: φD×L(mm)

Rated ripple current
mA_{rms}(100kHz, 125°C)

Model No.



Basic Construction
Features
Characteristics

Advantages of EP-cap

Soldering Condition
Recommended Reflow
Condition
Ripple Current Frequency
Coefficient

HVA

HVBF

HVH

HVP

HVT

HVHZ

HVPZ

HEH

HEHZ

HEPZ