

# HVPX Series

125°C

High Ripple Current

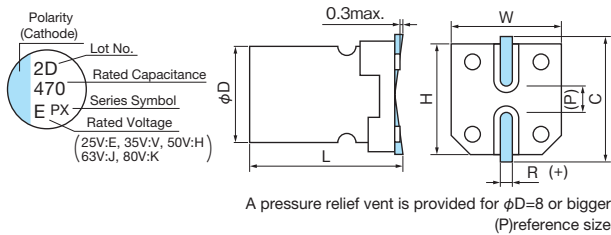


- 125°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

■ Specifications

Items	Condition	Specifications				
Rated voltage (V)	—	25	35	50	63	80
Surge voltage (V)	Room temperature	32	44	63	79	100
Category temperature range (°C)	—	-55 to +125				
Capacitance tolerance (%)	120Hz/20°C	M : ±20				
Dissipation Factor (tan δ)	tanδ (max.) 120Hz/20°C	0.14	0.12	0.10	0.08	0.08
Leakage current (LC)	μA/after 2minutes (max.), 20°C	0.01CV				
Endurance	125°C, 4,000hours 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



(Unit : mm)

D <sup>+0.5</sup>	L <sup>+0.3</sup>	W <sup>+0.2</sup>	H <sup>+0.2</sup>	C <sup>+0.2</sup>	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	25	35	50	63	80
22					8×10.5 45 2000
33					8×10.5★ 45 2000 10×10.5 36 2550
39					10×12.5 32 3000
47		6.3×6.0 60 1400		8×10.5 40 2100	
56	6.3×6.0 50 1400				10×10.5 36 2550
68		6.3×7.7 35 2100	8×10.5 30 2300		10×12.5 32 3000
82			8×10.5 30 2300	10×10.5 30 2600	
100	6.3×7.7 30 2100			10×12.5 22 3400	
120			10×10.5 28 2700		
150		8×10.5 27 2900	10×10.5★ 28 2700 10×12.5 19 3500		
180			10×12.5 19 3500		
220	8×10.5 27 2900				
270		10×10.5 20 3300			
330	10×10.5 20 3300	10×12.5 17 3800			
470	10×12.5 16 3800				

Please refer to page 18 for ripple current frequency coefficients.

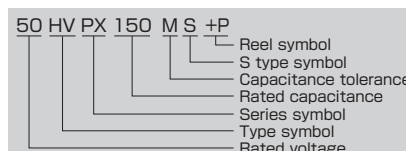
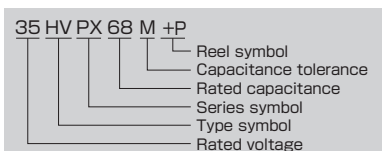
★ S type

Case size: φDxL (mm)

ESR(mΩ)max. at 100kHz, 20°C

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

■ Part number



Soldering Condition  
Reflow Soldering Condition  
Ripple Current Frequency Coefficient

- FVL
- HVHZ-HVH
- HVPZ-HVP
- HVT
- HVHF
- HVPF
- HVPX
- HVTX
- HVHY
- HVPY
- HVTY
- HVHC
- HVPC
- FVC
- FVF
- FVS
- HEHF
- HEPF
- HEPC