

HVPX Series

125°C Long Life

High Ripple Current

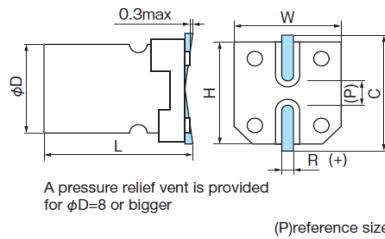
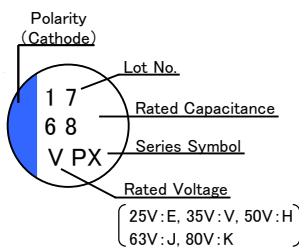
- 125°C 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



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)	tan δ (max.) 120Hz/20°C	0.14	0.12	0.10	0.08	0.08
Leakage current (LC)	μA/after 2 minutes (max.)	The greater value of either 0.01CV				
Endurance	125°C, 4,000hours rated voltage applied (With the rated ripple current)	ΔC/C	Within ±30% of the initial value			
		tan δ	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	25	35	50	63	80
22					8 × 10.5 45 2000
33					8 × 10.5 ★ 45 2000
39					10 × 10.5 36 2550
47		6.3 × 6.0 60 1400		8 × 10.5 40 2100	10 × 12.5 32 3000
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		
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				

★ S type

Case size: φD × L (mm)

ESR (mΩ)max at 100kHz, 20°C

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

Part number

