

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVPC Series

125°C Long Life

High Ripple Current
High Capacitance



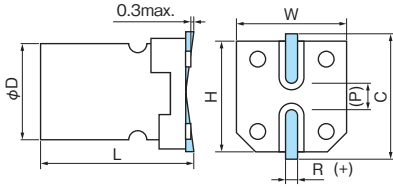
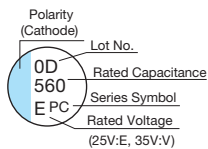
UP GRADE

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

Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	25	35	
Surge voltage (V)	Room temperature	32	44	
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	
Leakage current (LC)	μA/after 2minutes (max.)	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



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	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			
56			6.3×6.0	60	1200	
100	6.3×6.0	50	1300	6.3×7.7	35	1700
150	6.3×7.7	30	1800			
180				8×10.5	27	2000
270	8×10.5	27	2000			
330				10×10.5	20	2800
390				10×12.5	17	3000
470	10×10.5	20	2800			
560	10×12.5	16	3000			

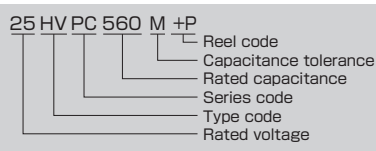
Please refer to page 18 for ripple current frequency coefficients.

Case size: φDxL(mm)

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

ESR(mΩ)max. at 100kHz, 20°C

Part number



Soldering Condition
Reflow Soldering
Condition
Ripple Current Frequency
Coefficient

- HVA
- HVBF
- HVH
- HVP
- HVT
- HVHZ
- HVPZ
- HVHF
- HVPF
- HVPX
- HVTX
- HVPY
- HVTY

HVHC **NEW**

HVPC

HVJ

FVF **NEW**

FVS **NEW**

HEHF

HEPF