

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

# HVHC Series

105°C

High Capacitance

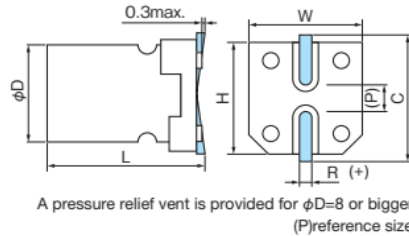
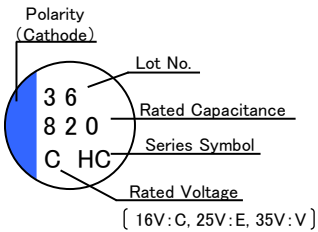
- 105°C 5,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200

**UP GRADE**

## Specifications

Items	Condition	Specifications		
Rated voltage (V)	—	16	25	35
Surge voltage (V)	Room temperature	20	32	44
Category temperature range (°C)	—	-55 to +105		
Capacitance tolerance (%)	120Hz/20°C	M: ±20		
Dissipation Factor (tan δ)	tan δ (max.) 120Hz/20°C	0.16	0.14	0.12
Leakage current (LC)	μ A/after 2 minutes (max.), 20°C	0.01CV		
Endurance	105°C, 5,000hours rated voltage applied (With the rated ripple current)	Δ C/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	16		25			35		
56						6.3 × 6.0	60	1600
100			6.3 × 6.0	50	1600	6.3 × 7.7	35	2000
150			6.3 × 7.7	30	2000			
180						8 × 10.5	27	2550
220	6.3 × 7.7	30	2000					
270				8 × 10.5	27	2550		
330						10 × 10.5	20	3500
390						10 × 12.5	17	4000
470	8 × 10.5	27	2550	10 × 10.5	20	3500		
560				10 × 12.5	16	4000		
820	10 × 10.5	20	3500					

Case size: φ D × L (mm)

ESR (mΩ) max. at 100kHz, 20°C

Rated ripple current  
mA rms (100kHz, 105°C)

## Part number

