

Hybrid Conductive Polymer Type / Surface Mount Type

RoHS compliance

HVTC Series

135°C Long Life

High Capacitance

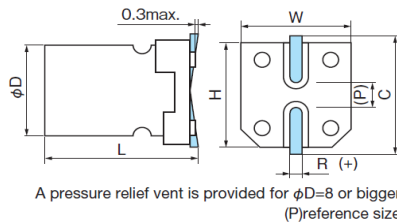
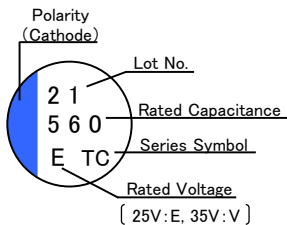
- 135°C 2,000 to 4,000hours
- Solvent proof (within 2 minutes)
- AEC-Q200



Specifications

Items	Condition	Specifications	
Rated voltage (V)	—	25	35
Surge voltage (V)	Room temperature	32	44
Category temperature range (°C)	—	-55 to +135	
Capacitance tolerance (%)	120Hz/20°C	M: ±20	
Dissipation Factor (tan δ)	tan δ (max.) 120Hz/20°C	0.14	0.12
Leakage current (LC)	μA/after 2 minutes (max.), 20°C	0.01CV	
Endurance	135°C rated voltage applied (With the rated ripple current)	Test	4,000hours (φ 6.3 × 6.0 2,000hours)
		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			
56			6.3 × 6.0	60	700	
100	6.3 × 6.0	50	700	6.3 × 7.7	35	1000
150	6.3 × 7.7	30	1000			
180				8 × 10.5	27	1250
270	8 × 10.5	27	1250			
330				10 × 10.5	20	1750
390				10 × 12.5	17	1950
470	10 × 10.5	20	1750			
560	10 × 12.5	16	1950			

Case size: φ D × L (mm)

ESR (mΩ) max at 100kHz, 20°C

Rated ripple current
mArms (100kHz, 135°C)

Part number

