

# CE-TH Series

135°C Long Life



φ6.3×7.7 **NEW**

- 135°C, 1,000 to 2,000hours ● Suitable for Automotive Applications.
- Solvent proof (within 2 minutes)

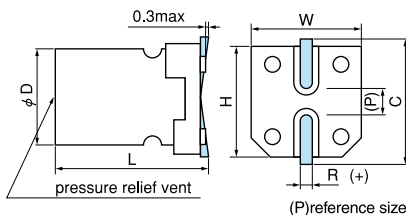
CE-TH  
↑ 135°C  
CE-PH(P.62)

## Specifications

Items	Condition	Specifications				
Rated voltage (V)	—	16	25	35	50	
Surge voltage (V)	Room temperature	20	32	44	63	
Category temperature range (°C)	—	-40 to +135				
Capacitance tolerance (%)	120Hz/20°C	M : ±20				
Dissipation Factor (tan δ)	tan δ (max) 120Hz/20°C	0.23	0.18	0.16	0.16	
Leakage current (LC)	μA/after 2minutes (max)	0.01CV				
Impedance ratio at low temperature	Based the value at 120Hz, +20°C	-25°C Z/Z <sub>20°C</sub>	2	2	2	2
		-40°C Z/Z <sub>20°C</sub>	4	3	3	3
Endurance	135°C, rated voltage applied (With the rated ripple current)	Test	2,000hours(6.3×7.7 1,000hours)			
		ΔC/C	Within ±30% of the initial value			
		tan δ	Less than 300% of the specified value			
		LC	Less than the specified value			

## Marking, Dimensions

[φD≤10]  
Polarity (Cathode)  
Lot No.  
56  
330  
C TH  
Rated Capacitance  
Series Symbol  
Rated Voltage★



(Unit : mm)

D <sup>+0.5max</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	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
12.5	13.5 <sup>±0.5</sup>	12.8	12.8	13.5	1.0 to 1.4	4.6

[φD=12.5]  
Polarity (Cathode)  
Lot No.  
56  
470  
V TH  
Rated Capacitance  
Series Symbol  
Rated Voltage★

★ (16V:C, 25V:E, 35V:V, 50V:H)

## Size, Rated Ripple Current

μF	16				25			35			50		
	V												
22													
33								6.3×7.7	0.80	150			
47								6.3×7.7	0.80	150	6.3×7.7	1.20 110	
100	6.3×7.7	0.80	150	6.3×7.7	0.80	150	8×10.5	0.30	240	10×10.5	0.35	260	
220				8×10.5	0.30	240	10×10.5	0.20	400	12.5×13.5	0.15	600	
330	8×10.5	0.30	240	10×10.5	0.20	400	12.5×13.5	0.10	750				
470	10×10.5	0.20	400				12.5×13.5	0.10	750				
680				12.5×13.5	0.10	750							
1000	12.5×13.5	0.10	750										

Case size: φD(mm)

Rated ripple current  
mA rms (100kHz, 135°C)  
ESR(Ω)  
max at 100kHz, 20°C

## Part number

