

CE-PH Series 125°C Low ESR Hi-Ripple, Hi-Capacitance, Long life



- 125°C, 2000hrs. • Suitable for Automotive Application
- Solvent proof (within 2 minutes)

Specifications

Items		Specifications		
Rated voltage (V)		16	25	35
Category temperature range (°C)		-40 to +125		
Capacitance tolerance (%)		±20 (120Hz/20°C)		
Tangent of loss angle (tanδ) (MAX.) (120Hz/20°C)		0.20	0.16	0.14
Leakage current (L.C.) (μA/after 2min.) (MAX.)		The greater value of either 0.01CV or 3		
Impedance (120Hz) ratio at low temperature (MAX.)	Z _{-25°C} /Z _{20°C}	2	2	2
	Z _{-40°C} /Z _{20°C}	4	3	3
Endurance 125°C, 2000hrs. rated voltage applied (With the rated ripple current)	ΔC/C	Within ± 30% of the initial value		
	tanδ	≤ 3 times the initial specified value		
	L.C.	≤ The initial specified value		

Marking, Dimensions

φD ≤ 10

φD ≥ 12.5

(Unit : mm)

D ^{+0.5MAX.}	L	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P ^{±0.2}
8	10.5 ^{±0.3}	8.3	8.3	9.0	0.7 to 1.0	3.2
10	10.5 ^{±0.3}	10.3	10.3	11.0	1.1 to 1.4	4.6
12.5	13.5 ^{±0.5}	12.8	12.8	13.5	1.1 to 1.4	4.6

* (16V:C, 25V:E, 35V:V)

Size List, E.S.R., Rated Ripple Current

V	Items	16 (C)			25 (E)			35 (V)		
		Case size φD x L (mm)	E.S.R. (ΩMAX.) 20°C/100kHz	Ripple current (mAr.m.s.) 125°C/100kHz	Case size φD x L (mm)	E.S.R. (ΩMAX.) 20°C/100kHz	Ripple current (mAr.m.s.) 125°C/100kHz	Case size φD x L (mm)	E.S.R. (ΩMAX.) 20°C/100kHz	Ripple current (mAr.m.s.) 125°C/100kHz
μF	160						8 x 10.5	0.18	300	
	270				8 x 10.5	0.18	300			
	300						10 x 10.5	0.11	500	
	390	8 x 10.5	0.18	300						
	470				10 x 10.5	0.11	500			
	620						12.5 x 13.5	0.08	1000	
	680	10 x 10.5	0.11	500						
	910				12.5 x 13.5	0.08	1000			
	1500	12.5 x 13.5	0.08	1000						

