



**SURFACE MOUNT TYPE MINIATURE, HIGH CAE PRODUCTS 5.4MM HEIGHT**

**FEATURES**

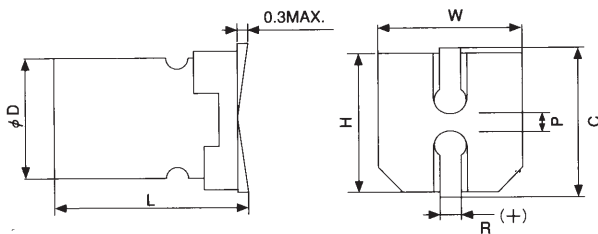
- CAE-HCV SERIES IS SMALLER SIZE IN DIAMETER THAN CAE-S SERIES (EX.  $\phi 6.3 > \phi 5$ )
- CAE-HCV SERIES CONTRIBUTES TOWARD MINIATURIZATION OF ANY PRODUCTS.
- SOLVENT PROOF (WITHIN 2 MINUTES)



**SPECIFICATIONS**

ITEMS		SPECIFICATIONS					
RATED VOLTAGE (V)		6.3	10	16	25	35	50
OPERATING TEMPERATURE RANGE (°C)		-40 to +85					
CAPACITANCE TOLERANCE (%)		±20 (120HZ)					
TANGENT OF LOSS ANGLE (TAN δ) (MAX.) (120HZ)		0.28	0.24	0.20	0.16	0.14	0.12
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/Z20°C	4	3	2	2	2	2
	Z-40°C/Z20°C	10	8	6	4	4	4
HIGH TEMPERATURE LOAD 85°C 2000hrs. RATED VOLTAGE APPLIED	Δ C/C	Within ± 25% of the initial value					
	tan δ	≤ Twice the initial standard					
	L.C.	≤ The initial standard					
RESISTANCE TO SOLDERING HEAT	TEST	Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.					
	Δ C/C	Within ± 10% of the initial value					
	tan δ	≤ The initial standard					
	L.C.	≤ The initial standard					
OTHER CHARACTERISTICS		Conform to IEC 60384-18					

**DIMENSIONS**



(unit ; mm)

D <sup>+0.5MAX.</sup>	L <sup>+0.1 -0.2</sup>	W <sup>±0.2</sup>	H <sup>±0.2</sup>	C <sup>±0.2</sup>	R	P <sup>±0.2</sup>
4	5.4	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4	6.6	6.6	7.3	0.5 to 0.8	2.2

**DIMENSIONS**

μF \ V	6.3	10	16	25	35	50
4.7						4x5.4 18
10				4x5.4 20	4x5.4 20	5x5.4 27
22		4x5.4 28	4x5.4 28	5x5.4 35	5x5.4 36	6.3x5.4 40
33	4x5.4 31	4x5.4 32	5x5.4 40	5x5.4 42	6.3x5.4 58	
47	4x5.4 36	5x5.4 43	5x5.4 44	6.3x5.4 65		
56	5x5.4 46	5x5.4 46	5x5.4 48	6.3x5.4 68		
100	5x5.4 47	5x5.4 50				
150	6.3x5.4 71	6.3x5.4 76				
220	6.3x5.4 74					

Model No.  
16CAE10HCV

10μF, Capacitance symbol

16V, Rated voltage

øDXL

Ripple Current  
mA r.m.s.  
(120Hz, 85°C)