



**SURFACE MOUNT TYPE 125°C LONG LIFE**

**FEATURES**

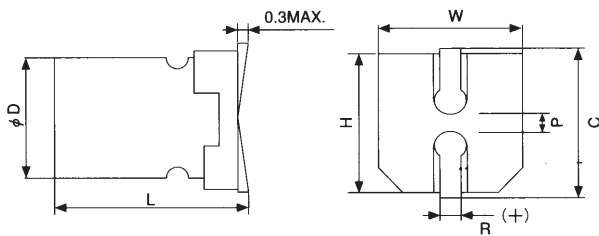
- CAE-UWT SERIES IS HIGH TEMPERATURE, LONG LIFE PRODUCTS (125°C, 1500 HRS.)
- SOLVENT PROOF (WITHIN 2 MINUTES).



**SPECIFICATIONS**

ITEMS		SPECIFICATIONS					
RATED VOLTAGE (V)		6.3	10	16	25	35	50
OPERATING TEMPERATURE RANGE (°C)		-40 to +125					
CAPACITANCE TOLERANCE (%)		±20 (120HZ)					
TANGENT OF LOSS ANGLE (TAN δ) (MAX.) (120HZ)		0.30	0.24	0.20	0.16	0.14	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 <sup>-25°C</sup> /Z <sup>20°C</sup>	4	3	2	2	2	2
	Z <sup>-40°C</sup> /Z <sup>20°C</sup>	8	6	4	4	3	3
HIGH TEMPERATURE LOAD 125°C 1500hrs. RATED VOLTAGE APPLIED	Δ C/C	Within ± 25% of the initial value					
	tan δ	≤ 3 times 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	W <sup>+0.2</sup>	H <sup>+0.2</sup>	C <sup>+0.2</sup>	R	P <sup>+0.2</sup>
8	10.2 <sup>+0.3</sup>	8.3	8.3	9.0	0.7 t 1.0	3.2
10	10.2 <sup>+0.3</sup>	10.3	10.3	11.0	1.1 to 1.4	4.6
12.5	13.5 <sup>+0.5</sup>	12.8	12.8	13.5	1.1 to 1.4	4.6

**DIMENSIONS**

µF \ V	6.3	10	16	25	35	50
33						8x10.2 100
47					8x10.2 110	10x10.2 160
100				8x10.2 110	10x10.2 190	12.5x13.5 210
150					12.5x13.5 250	
220			8x10.2 120	10x10.2 200	12.5x13.5 260	12.5x13.5 220
330		8x10.2 120	10x10.2 200	12.5x13.5 270		
470	8x10.2 140	10x10.2 210	12.5x13.5 290			
680	10x10.2 210	12.5x13.5 300	12.5x13.5 300			
1000	12.5x13.5 330	12.5x13.5 320				
1500	12.5x13.5 350					

øDXL —  
Ripple Current  
mA r.m.s.  
(120Hz, 125°C)

Model No.  
16CAE47LL  
└─ 47µF, Capacitance symbol  
└─ 16V, Rated voltage