

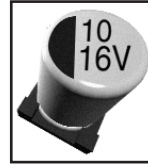


CAE-M SURFACE MOUNT TYPE ULTRA MINI VERSION, 3MM IN DIAMETER

CAE-S SURFACE MOUNT TYPE STANDARDS

FEATURES

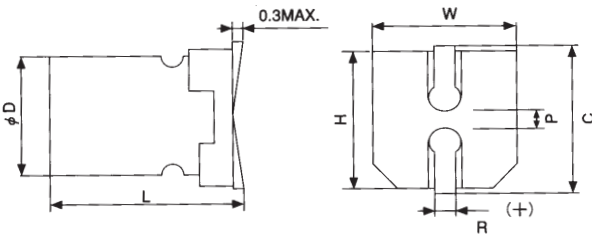
☐ SOLVENT PROOF (WITHIN 2 MINUTES).



SPECIFICATIONS

ITEMS		SPECIFICATIONS								
RATED VOLTAGE (V)		4	6.3	10	16	25	35	50	63	100
OPERATING TEMPERATURE RANGE (°C)		-40 to +85								
CAPACITANCE TOLERANCE (%)		±20 (120Hz)								
TANGENT OF LOSS ANGLE (TAN δ) (MAX.) (120Hz)	ø3	0.40	0.30	-	0.19	0.16	0.14	0.14	-	-
	ø4 to ø6.3	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.12	0.10
	ø8 to ø16	0.40	0.30	0.24	0.20	0.16	0.14	0.12	0.12	0.10
LEAKAGE CURRENT (L.C.) (µA/after 2min.)(MAX.)		0.02 to be added to the above value every time nominal capacitance exceeds 1000 µF The greater value of either 0.01CV or 3								
IMPEDANCE (120HZ) RATIO AT LOW TEMPERATURE (MAX.)	Z-25°C/Z20°C	7	4	3	2	2	2	2	2	2
	Z-40°C/Z20°C	15	8	6	4	4	3	3	3	3
HIGH TEMPERATURE LOAD RATED VOLTAGE APPLIED	TEST	85°C 2000 hrs.								
	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 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 _{+0.5MAX.}	L	W _{-0.2}	H _{-0.2}	C _{-0.2}	R	P _{-0.2}
3	5.4 ^{+0.1}	3.3	3.3	3.9	0.45 to 0.75	0.6
4	5.4 ^{+0.1}	4.3	4.3	5.0	0.5 to 0.8	1.0
5	5.4 ^{+0.1}	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	5.4 ^{+0.1}	6.6	6.6	7.3	0.5 to 0.8	2.2
4	6.0 ^{+0.3}	4.3	4.3	5.0	0.5 to 0.8	1.0
6.3	6.0 ^{+0.3}	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7 ^{+0.3}	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2 ^{+0.3}	8.3	8.3	9.0	0.7 to 1.0	3.2
10	7.7 ^{+0.3}	10.3	10.3	11.0	1.1 to 1.4	4.6
10	10.2 ^{+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
16	16.5 ^{+0.5}	16.3	16.3	17.0	1.8 to 2.1	7.0

DIMENSIONS

µF \ V	4	6.3	10	16	25	35	50	63	100
0.1 to 0.47									
1.0							4x5.4*	1 to 5(1 to 4)	4x5.4 1 to 5
2.2						☼ (8)	4x5.4*	15(10)	4x5.4 15
3.3						☼ (10)	4x5.4	18	5x5.4 20
4.7							5x5.4	23	5x5.4 23
10				4x5.4*	19(12)	4x5.4	5x5.4	34	6.3x5.4 34
22	☼ (19)	4x5.4*	31(19)	5x5.4	35	5x5.4	39	6.3x5.4	52
33	4x5.4	26	5x5.4	39	5x5.4	43	6.3x5.4	57	6.3x5.4 63
47	4x5.4	34	5x5.4	47	6.3x5.4	59	6.3x5.4	68	6.3x6.0 68
82									
100	5x5.4	61	6.3x5.4	71	6.3x5.4	76	6.3x5.4	86	6.3x7.7 130
150				6.3x6.0	88	6.3x7.7	135	8x10.2	200
220	6.3x5.4	82	6.3x6.0	95	6.3x7.7	150	6.3x7.7	150	8x10.2 250
330	6.3x6.0	102	6.3x7.7	150	8x10.2	280	8x10.2	280	8x10.2 310
390									
470	6.3x7.7	150	8x10.2	300	8x10.2	300	8x10.2	330	10x10.2 430
680									
1000			10x7.7	300					
1500	10x7.7	330	8x10.2	330	10x10.2	450			12.5x13.5 660
2200			10x10.2	450					16x16.5 1160
3300			12.5x13.5	730	12.5x13.5	710			
4700			12.5x13.5	750	16x16.5	1200			
6800			16x16.5	1330	16x16.5	1260			

Model No. 16CAE10S 16CAE10S ☼DXL ☼;CAE-M series (3x5.4) Ripple Current mA r.m.s. (120Hz, 85°C) ☼; CAE-S series (10x7.7; CAE-S series) ☼; CAE-C series

10µF, Capacitance symbol 10µF, Capacitance symbol 16V, Rated voltage