



CALA SERIES: Surface Mount | SMD E-CAP , Bi-Polar



FEATURES

- ◆ 85°C, 2000 hours assured.
- ◆ 5.5mm height
- ◆ Bipolar capacitor
- ◆ RoHS Compliant

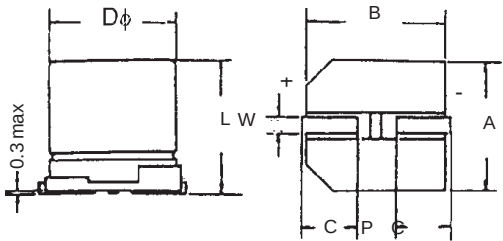
SPECIFICATIONS

Item	Performance										
Operating Temp. Range	-40°C ~ + 85°C										
Capacitance Tolerance	± 20% (120Hz, 20°C)										
Leakage Current (at 20•C)	I=0.01CV or 3 μA (whichever is greater) after 2 minutes Where C=rated capacitance in μF . Voltage=rated DC working voltage in V.										
Dissipation Factor Tanδ at 120 Hz,20°C	Rated Voltage			6.3	10	16	25	35	50		
	Tan δ (max)	4	0.35	0.30	0.25	0.25	0.25	0.25			
		5 ~ 6.3	0.30	0.25	0.20	0.15	0.15	0.15			
Low Temperature Characteristics (at 120Hz)	Rated Voltage			6.3	10	16	25	35	50		
	Impedance Ratio	Z(-25°C) /Z(+20°C)	3	3	2	2	2	2			
		Z(-40°C) /Z(+20°C)	8	5	4	3	3	3			
Life Test	Test Time			Load Life				Shelf Life			
				2000 Hrs				1000 Hrs			
	Capacitance Change			Within ±20% of initial value				Within ± 20% of initial value			
	Dissipation Factor			Less than 200% of specified value				Less than 200% of specified value			
	Leakage Current			Within specified value				Within specified value			
	Test Conditions			20°C (after rated voltage applied for 2000 hours at 85°C				20° C (after storage for 1000 hours at 85°C without voltage)			
Ripple Current & Frequency Multipliers	VDC(V)	Freq. (Hz)	50	120	1K	10K up	Riple Current & Temperature Multipliers		Temperature (°C)	Under 70	85
	Under 16		0.80	1.00	1.15	1.25			Multipliers	1.35	1.00
	25 ~ 35		0.80	1.00	1.25	1.40					
	50		0.80	1.00	1.35	1.50					
Standards	JIS C 5101-1,-18										

DIMENSION & PERMISSIBLE RIPPLE CURRENT

Ripple Current mA/rms at 120 Hz, 85°C

VDC		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
μF	Contents	φD x L	mA	φD x L	mA	φD x L	mA	φD x L	mA	φD x L	mA	φD x L	mA
0.1	104											4 x 5.3	2.3
0.22	224											4 x 5.3	3.3
0.33	334											4 x 5.3	4.1
0.47	474											4 x 5.3	4.9
1	105											4 x 5.3	7.2
2.2	225									4 x 5.3	10	5 x 5.3	14
3.3	335							4 x 5.3	13	5 x 5.3	17	5 x 5.3	17
4.7	475					4 x 5.3	14	5 x 5.3	20	5 x 5.3	21	6.3 x 5.3	24
10	106			4 x 5.3	18	5 x 5.3	26	6.3 x 5.3	35	6.3 x 5.3	35		
22	226	5 x 5.3	27	6.3 x 5.3	40	6.3 x 5.3	45						
33	336	6.3 x 5.3	45	6.3 x 5.3	50	6.3 x 5.3	55						
47	476	6.3 x 5.3	54										



PAD SPACING AND DIAMETER

φD±0.5	L	A±0.2	B±0.2	C±0.2	W	P±0.2
4	5.3±0.2	4.3	4.3	2.0	0.5 to 0.8	1.0
5	5.3±0.2	5.3	5.3	2.3	0.5 to 0.8	1.5
6.3	5.3±0.2	6.6	6.6	2.7	0.5 to 0.8	2.0

PART NUMBER EXAMPLE

CALA 106 M 1E T 063053