CUBISIC SLP

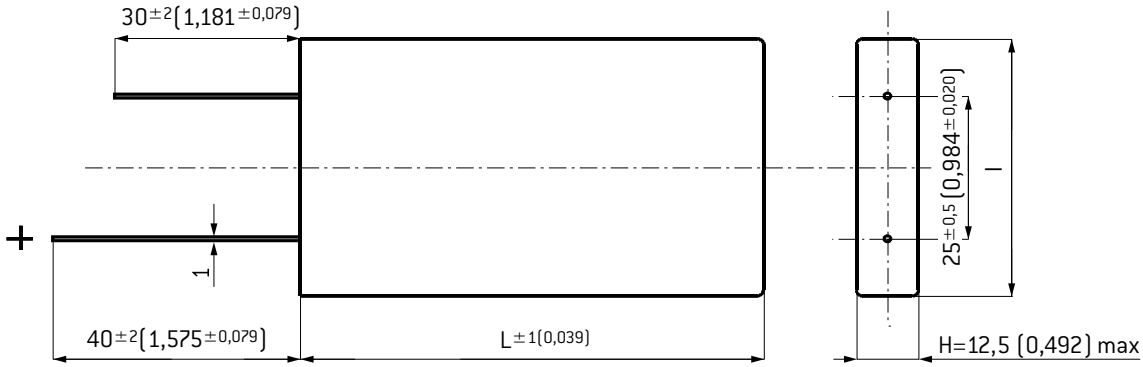
5 000 h / 85°C

10 V ... 450 V	110 µF ... 68 000 µF	45mm (1.78") x 12mm (0.48") x L	– 55°C + 85°C	Long Life Time

APPLICATIONS

- Low prof lle printed circuit mounting
- Possible mounting with 45 x 12 bracket (A691057)
- Possible thermal dissipation per conduction through lower and upper surface
- Switch mode power supplies, impulse current
- Withstands more than 92,000 feet altitude
- Sleeve optional

Aluminum case: Tin coated leads
Tolerance on capacitance at 20°C : ±20 %
Operating temperature : – 55°C +85°C



Dimensions in mm (inches)

Note: The PVC or PPI114 sleeves may add up to 0,020 inches to the thickness and width of the capacitor.

WEIGHT DEPENDING ON LENGTH

Length mm (Inches)	Weight ±25% (g)
38 (1.5)	30 g
51 (2.0)	45 g
76 (3.0)	60 g

RESISTANCE TO VIBRATIONS

	Standard
ƒ (Hz)	10 - 2000 Hz
Amplitude	1,5 (0.059)
Vibration	50g for L=38 & 51mm / 30g for L=76mm*
Shock	50 g

* In accordance with MIL-STD-202, Meth. 204

SPECIFICATIONS

CECC 30300 Long life
IEC 60 384-4 Long life
DIN 41 240 climatic category: – 55°C + 85°C
and GPF: – 55°C + 85°C / 56 days

WITHSTAND STRENGTH OF INSULATING SLEEVE

Add the option code at the end of the part number
(ex: A751000S or A751000V)

	Option code	RoHS	ISO Electric**	Fire resistance***
No Sleeve	–	Yes	–	NC
PVC	S	Yes	2000 V	15
PPI 114*	V	Yes	1000 V	30

* Insulating resistance at 20°C between leads and mounting hardware: 100 MΩ

** Test voltage at 50 Hz 1 min. between leads and mounting hardware: 2000 V

*** Fire resistance: self extinguish 15 s. (IEC 60 695-2-2)

RADIAL LEADED

CUBISIC SLP

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Capacitance	Case						Tanδ 100 Hz +20°C max.	ESR 100 Hz +20°C Typic	Z 10 kHz +20°C Typic	II +20°C 5 min. max.	I 100 Hz		Code
	I		L		H						+40°C max.	+85°C max.	
(µF)	mm	(inches)	mm	(inches)	mm	(inches)	(%)	(mΩ)	(mΩ)	(mA)	(A)	(A)	
Rated voltage 10 V													
22000	45	(1.78)	38	(1.5)	12	(0.48)	56	25	24	0,7	10,4	4,7	A751000
33000	45	(1.78)	51	(2.0)	12	(0.48)	53	16	15	1,0	15,5	7,1	A751003
68000	45	(1.78)	76	(3.0)	12	(0.48)	77	12	11	2,0	21,5	9,5	A751002
Rated voltage 16 V													
15000	45	(1.78)	38	(1.5)	12	(0.48)	41	27	25	0,7	10,3	4,9	A751020
33000	45	(1.78)	51	(2.0)	12	(0.48)	53	16	15	1,6	15,3	6,8	A751022
47000	45	(1.78)	76	(3.0)	12	(0.48)	47	10	9	2,3	23,7	10,8	A751023
Rated voltage 25 V													
13000	45	(1.78)	38	(1.5)	12	(0.48)	36	27	25	1,0	10,1	4,6	A751039
22000	45	(1.78)	51	(2.0)	12	(0.48)	37	17	15	1,7	15,1	6,8	A751040
33000	45	(1.78)	76	(3.0)	12	(0.48)	41	12	11	2,5	21,2	9,5	A751041
Rated voltage 35 V													
10000	45	(1.78)	38	(1.5)	12	(0.48)	29	28	25	1,1	9,8	4,4	A751060
15000	45	(1.78)	51	(2.0)	12	(0.48)	28	17	16	1,6	14,7	6,6	A751061
22000	45	(1.78)	76	(3.0)	12	(0.48)	26	11	10	2,3	22,5	10,3	A751062
Rated voltage 40 V													
6800	45	(1.78)	38	(1.5)	12	(0.48)	25	34	31	0,8	8,9	4,0	A751080
10000	45	(1.78)	51	(2.0)	12	(0.48)	23	22	19	1,2	13,2	6,0	A751081
15000	45	(1.78)	76	(3.0)	12	(0.48)	22	14	12	1,8	20,2	9,3	A751082
Rated voltage 50 V													
6000	45	(1.78)	38	(1.5)	12	(0.48)	24	36	32	0,9	8,5	3,7	A751099
10000	45	(1.78)	51	(2.0)	12	(0.48)	24	22	20	1,5	12,7	5,5	A751100
15000	45	(1.78)	76	(3.0)	12	(0.48)	22	14	12	2,3	19,7	8,6	A751101
Rated voltage 63 V													
3800	45	(1.78)	38	(1.5)	12	(0.48)	17	40	33	0,7	8,1	3,5	A751119
6800	45	(1.78)	51	(2.0)	12	(0.48)	18	24	21	1,3	12,2	5,3	A751120
10000	45	(1.78)	76	(3.0)	12	(0.48)	17	15	13	1,9	18,6	8,1	A751121
Rated voltage 80 V													
2700	45	(1.78)	38	(1.5)	12	(0.48)	14	44	35	0,7	7,7	3,3	A751139
4700	45	(1.78)	51	(2.0)	12	(0.48)	17	31	26	1,1	10,9	4,9	A751140
6800	45	(1.78)	76	(3.0)	12	(0.48)	15	18	15	1,6	17,2	7,6	A751141
Rated voltage 100 V													
1300	45	(1.78)	38	(1.5)	12	(0.48)	15	94	76	0,4	5,6	2,7	A751159
2200	45	(1.78)	51	(2.0)	12	(0.48)	16	62	51	0,7	8,1	3,9	A751160
3300	45	(1.78)	76	(3.0)	12	(0.48)	16	41	33	1,0	12,1	5,9	A751161
Rated voltage 160 V													
570	45	(1.78)	38	(1.5)	12	(0.48)	11	153	111	0,3	4,3	2,0	A751179
1000	45	(1.78)	51	(2.0)	12	(0.48)	11	89	65	0,5	6,6	3,1	A751180
1500	45	(1.78)	76	(3.0)	12	(0.48)	11	56	40	0,7	10,0	4,7	A751181
Rated voltage 200 V													
470	45	(1.78)	38	(1.5)	12	(0.48)	13	219	118	0,3	3,5	1,6	A751200
680	45	(1.78)	51	(2.0)	12	(0.48)	10	114	79	0,4	5,8	2,7	A751201
1000	45	(1.78)	76	(3.0)	12	(0.48)	10	76	52	0,6	8,6	4,0	A751202
Rated voltage 250 V													
230	45	(1.78)	38	(1.5)	12	(0.48)	9	273	170	0,2	3,2	1,4	A751219
470	45	(1.78)	51	(2.0)	12	(0.48)	9	138	88	0,4	5,2	2,3	A751220
680	45	(1.78)	76	(3.0)	12	(0.48)	9	93	58	0,5	7,6	3,5	A751221
Rated voltage 300 V													
200	45	(1.78)	38	(1.5)	12	(0.48)	8	280	161	0,2	3,1	1,4	A751229
320	45	(1.78)	51	(2.0)	12	(0.48)	8	175	101	0,3	4,6	2,0	A751230
560	45	(1.78)	76	(3.0)	12	(0.48)	8	101	58	0,5	7,3	3,2	A751231
Rated voltage 350 V													
160	45	(1.78)	38	(1.5)	12	(0.48)	8	343	194	0,2	2,8	1,2	A751239
330	45	(1.78)	51	(2.0)	12	(0.48)	8	170	98	0,4	4,6	2,1	A751240
470	45	(1.78)	76	(3.0)	12	(0.48)	8	115	64	0,5	6,8	3,0	A751241
Rated voltage 400 V													
110	45	(1.78)	38	(1.5)	12	(0.48)	9	534	317	0,1	2,2	1,0	A751259
220	45	(1.78)	51	(2.0)	12	(0.48)	9	270	162	0,3	3,7	1,7	A751260
330	45	(1.78)	76	(3.0)	12	(0.48)	9	183	111	0,4	5,4	2,5	A751261
Rated voltage 420 V													
400	45	(1,78)	76	(3,0)	12	(0,48)	9	183	111	0,5	5,4	2,5	A751900
Rated voltage 450 V													
110	45	(1.78)	38	(1.5)	12	(0.48)	9	595	378	0,2	2,1	1,0	A751279
220	45	(1.78)	51	(2.0)	12	(0.48)	9	301	193	0,3	3,5	1,6	A751280
330	45	(1.78)	76	(3.0)	12	(0.48)	9	200	128	0,4	5,2	2,4	A751281

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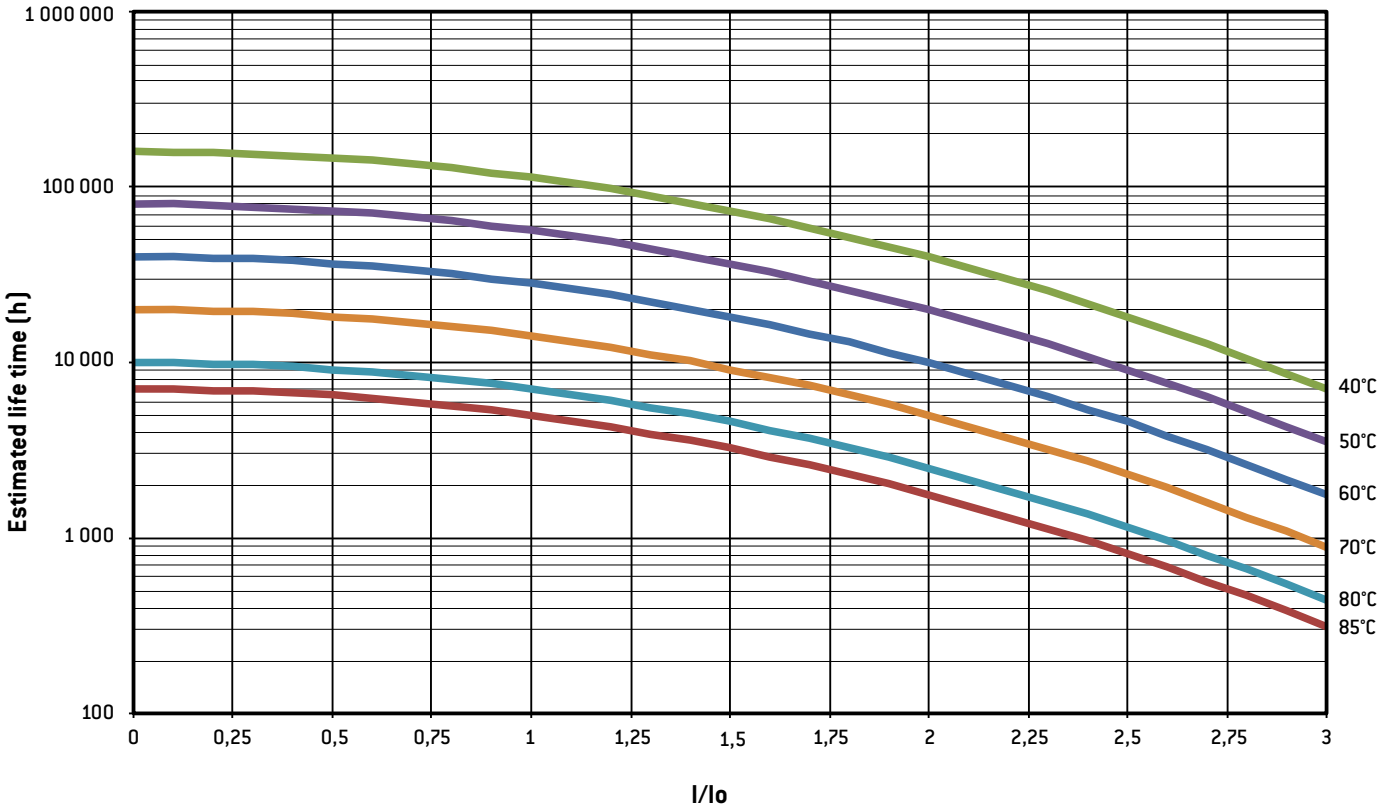
ESTIMATED LIFE TIME IN FUNCTION OF TEMPERATURE AND RIPPLE CURRENT