CUBISIC HTLP

5 000 h / 125°C

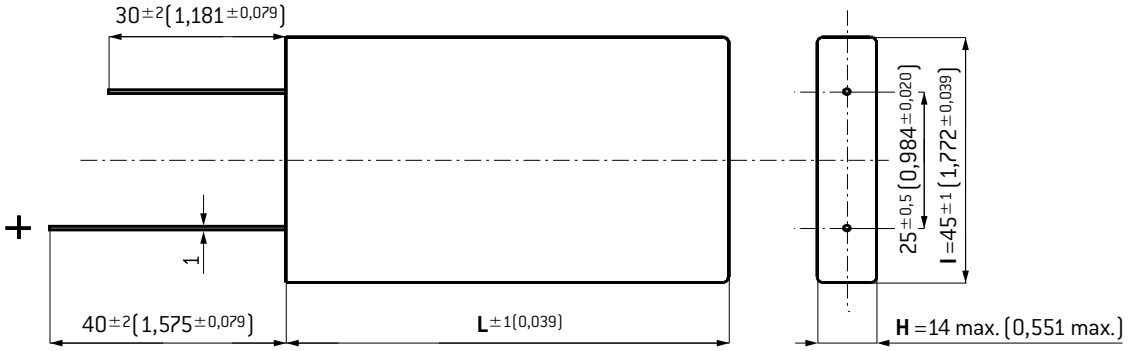
7,5 V ... 350 V	140 µF ... 60 000 µF	45 (1,772) x 12 (0,472) x L	– 55°C + 125°C	Long Life

APPLICATIONS

- Nearly hermetic case with laser welding
- Low profile printed circuit mounting
- Possible mounting with 45 x 12 bracket (A691057)
- Possible thermal dissipation per conduction through lower and upper surface
- Withstands more than 92,000 feet altitude

Stainless steel case: Tin coated leads
Sleeve optional : polyester tape

Tolerance on capacitance at 20°C : ±20%
Operating temperature : – 55°C +125°C



Dimensions in mm (inches)

Note: The PPI114 sleeve may add up to 0.020 inches to the thickness and width of the capacitor

DIMENSIONS in mm (inches)

L		Weight ±25% (g)
38	(1,496)	45
51	(2,008)	61
76	(2,992)	91

RESISTANCE TO VIBRATIONS

	Standard
ƒ (Hz)	10 - 2000 Hz
Amplitude	1,5 (0,059)
Acceleration	20 g - 196 m/s² *
t (h)	3 x 2 h

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

SPECIFICATIONS

CECC 30300 Long life
IEC 60 384-4 Long life
Standars endurance test at U_R : 2000 h / 125°C

WITHSTAND STRENGTH OF INSULATING SLEEVE

L	RoHS	Iso Electric (1)	Fire resistance (2)
PPI 114 *	Yes	1 000 V	30

* PPI 1114 shrinkable polyester tape with polyacrylate adhesive
Insulating resistance at 20°C between leads and mounting hardware: 100 MΩ

(1) Test voltage at 50 Hz 1 min. between leads and mounting hardware: 1000 V
(2) Fire resistance: self extinguish 30 s. (IEC 60 695-2-2) without PVC

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Capacitance	Case						Tanδ 100 Hz +20°C Typic.	ESR 100 Hz +20°C max.	Z 10 kHz +20°C Typic	II +20°C 5 min. max.	I ~ 100 Hz		Code
	I		L		H						+40°C max.	+125°C max.	
(µF)	mm (inches)		mm (inches)		mm (inches)		(%)	(mΩ)	(mΩ)	(mA)	(A)	(A)	
Rated voltage 7,5 V													
23 000	45	(1.772)	38	(1.496)	12	(0.472)	57	80	41	0.5	11.5	3.1	A753000
37 000	45	(1.772)	51	(2.008)	12	(0.472)	57	49	26	0.8	16.6	4.4	A753001
60 000	45	(1.772)	76	(2.992)	12	(0.472)	57	31	17	1.4	25.3	6.7	A753002
Rated voltage 10 V													
19 000	45	(1.772)	38	(1.496)	12	(0.472)	49	81	41	0.6	11.4	3.1	A753050
31 000	45	(1.772)	51	(2.008)	12	(0.472)	49	51	27	0.9	16.5	4.5	A753051
50 000	45	(1.772)	76	(2.992)	12	(0.472)	49	31	17	1.5	25.2	6.8	A753052
Rated voltage 16 V													
12 000	45	(1.772)	38	(1.496)	12	(0.472)	30	82	40	0.6	11.3	3.0	A753100
19 000	45	(1.772)	51	(2.008)	12	(0.472)	30	51	26	0.9	16.4	4.4	A753101
31 000	45	(1.772)	76	(2.992)	12	(0.472)	30	32	17	1.5	25.0	6.7	A753102
Rated voltage 20 V													
10 000	45	(1.772)	38	(1.496)	12	(0.472)	34	103	50	0.6	10.3	2.9	A753150
17 000	45	(1.772)	51	(2.008)	12	(0.472)	34	64	32	1.0	14.9	4.2	A753151
27 000	45	(1.772)	76	(2.992)	12	(0.472)	34	40	21	1.6	22.6	6.5	A753152
Rated voltage 25 V													
6 800	45	(1.772)	38	(1.496)	12	(0.472)	23	107	50	0.5	10.0	2.9	A753200
11 000	45	(1.772)	51	(2.008)	12	(0.472)	23	67	32	0.8	14.6	4.1	A753201
18 000	45	(1.772)	76	(2.992)	12	(0.472)	23	41	21	1.4	22.2	6.3	A753202
Rated voltage 40 V													
3 700	45	(1.772)	38	(1.496)	12	(0.472)	14	119	53	0.4	9.3	2.4	A753250
6 000	45	(1.772)	51	(2.008)	12	(0.472)	14	74	32	0.7	13.5	3.5	A753251
9 700	45	(1.772)	76	(2.992)	12	(0.472)	14	46	21	1.2	20.6	5.4	A753252
Rated voltage 50 V													
2 600	45	(1.772)	38	(1.496)	12	(0.472)	10	126	55	0.4	9.0	2.3	A753300
4 200	45	(1.772)	51	(2.008)	12	(0.472)	10	78	33	0.6	13.0	3.4	A753301
6 800	45	(1.772)	76	(2.992)	12	(0.472)	10	48	20	1.0	19.8	5.1	A753302
Rated voltage 63 V													
2 100	45	(1.772)	38	(1.496)	12	(0.472)	9	135	57	0.4	8.7	2.2	A753350
3 300	45	(1.772)	51	(2.008)	12	(0.472)	9	84	35	0.6	12.5	3.3	A753351
5 400	45	(1.772)	76	(2.992)	12	(0.472)	9	52	20	1.0	19.1	5.0	A753352
Rated voltage 80 V													
1 100	45	(1.772)	38	(1.496)	12	(0.472)	6	165	63	0.3	7.7	1.9	A753400
1 800	45	(1.772)	51	(2.008)	12	(0.472)	6	103	38	0.4	11.2	2.8	A753401
2 900	45	(1.772)	76	(2.992)	12	(0.472)	6	63	23	0.7	17.0	4.3	A753402
Rated voltage 160 V													
420	45	(1.772)	38	(1.496)	12	(0.472)	7	558	202	0.2	4.2	1.1	A753500
670	45	(1.772)	51	(2.008)	12	(0.472)	7	347	124	0.3	6.1	1.6	A753501
1 100	45	(1.772)	76	(2.992)	12	(0.472)	7	214	76	0.5	9.4	2.5	A753502
Rated voltage 200 V													
270	45	(1.772)	38	(1.496)	12	(0.472)	6	738	226	0.2	3.6	0.9	A753550
430	45	(1.772)	51	(2.008)	12	(0.472)	6	458	140	0.3	5.3	1.4	A753551
700	45	(1.772)	76	(2.992)	12	(0.472)	6	283	85	0.4	8.0	2.1	A753552
Rated voltage 250 V													
210	45	(1.772)	38	(1.496)	12	(0.472)	6	860	215	0.2	3.3	0.8	A753600
340	45	(1.772)	51	(2.008)	12	(0.472)	6	535	133	0.3	4.8	1.2	A753601
550	45	(1.772)	76	(2.992)	12	(0.472)	6	330	81	0.4	7.3	1.8	A753602
Rated voltage 350 V													
140	45	(1.772)	38	(1.496)	12	(0.472)	7	1477	318	0.2	2.5	0.6	A753650
230	45	(1.772)	51	(2.008)	12	(0.472)	7	918	197	0.2	3.6	0.9	A753651
380	45	(1.772)	76	(2.992)	12	(0.472)	7	566	120	0.4	5.5	1.4	A753652

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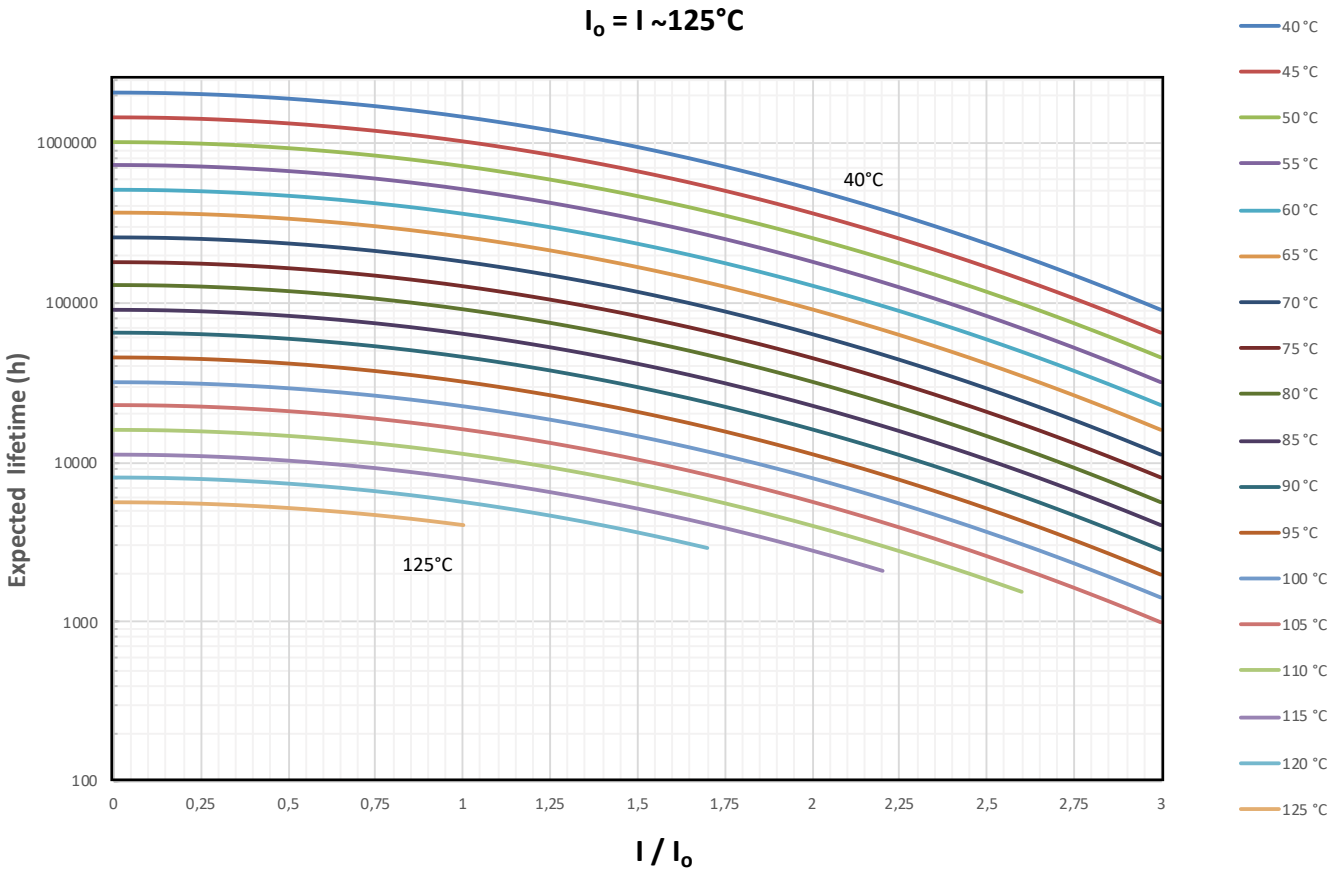
5 000 h / 125°C

EXPECTED LIFE

as a function of temperature and ripple current: