

CUBIC 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
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APPLICATIONS

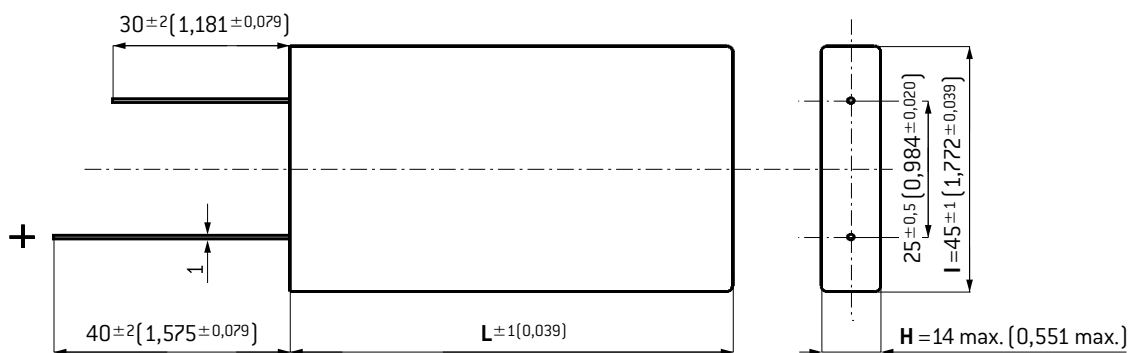
- Nearly hermetic case with laser welding
- Low profile printed circuit mounting
- Possible mounting with 45 x 12 bracket (A691057)
- Possible thermal dissipation per conduction through lower and upper surface
- Withstands more than 92,000 feet altitude

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
f (Hz)	10 - 2000 Hz
Amplitude	1,5 (0,059)
Acceleration	20 g - 196 m/s ² *
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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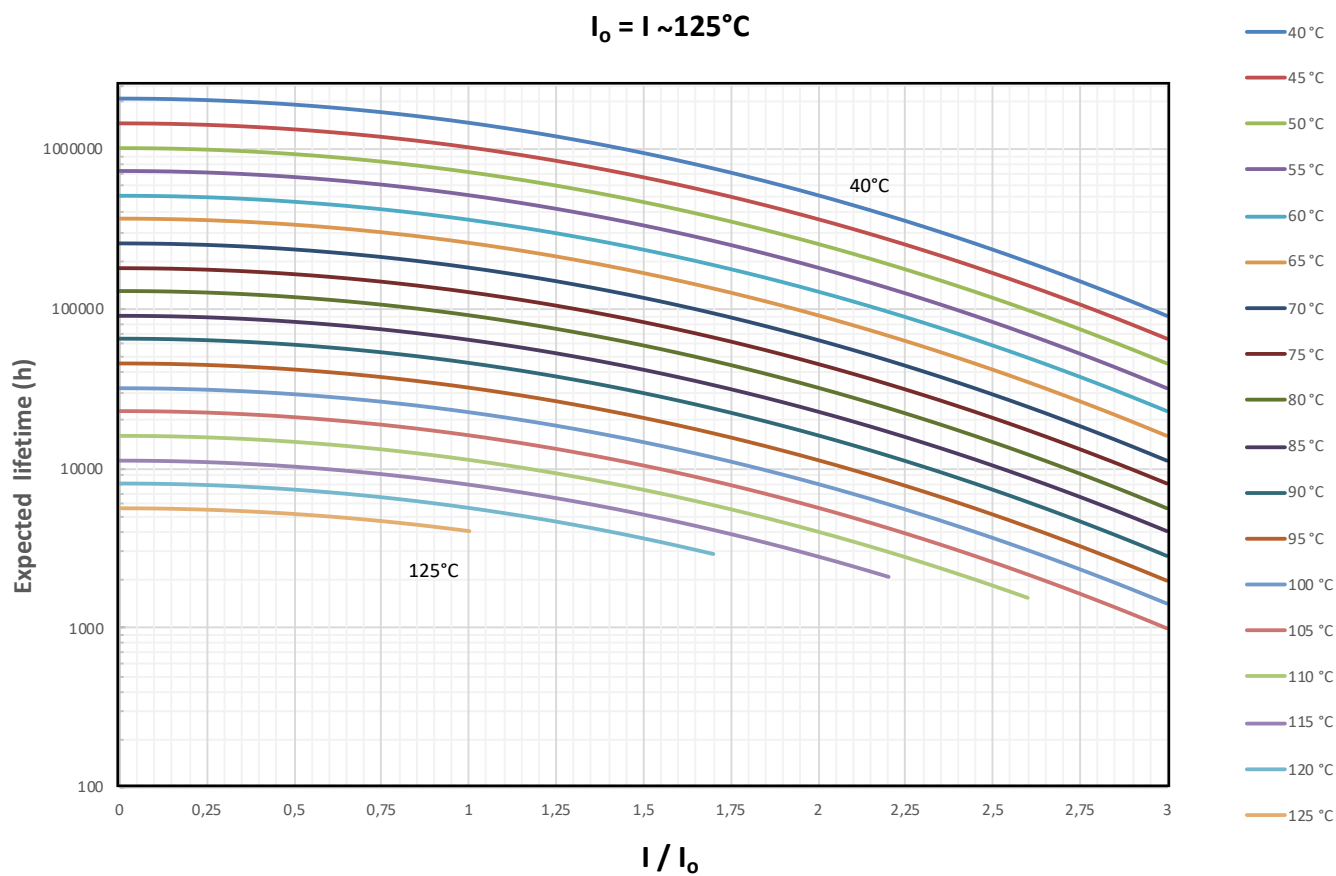
Capacitance (μF)	Case			Tan δ 100 Hz +20°C Typic. (%)	ESR 100 Hz +20°C max. (m Ω)	Z 10 kHz +20°C Typic (m Ω)	II +20°C 5 min. max. (mA)	I ~ 100 Hz		Code			
	I mm (inches)	L mm (inches)	H mm (inches)					+40°C max. (A)	+125°C max. (A)				
Rated voltage 7,5 V													
23 000	45	[1.772]	38	[1.496]	12	[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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EXPECTED LIFE

as a function of temperature and ripple current:



RADIAL LEADED