

## CUBIC HTP

5 000 h / 125°C

10 V ... 350 V	270 $\mu$ F ... 50 000 $\mu$ F	45 (1,772) x 13 (0,512) x L	- 55°C + 125°C	Long Life
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## APPLICATIONS

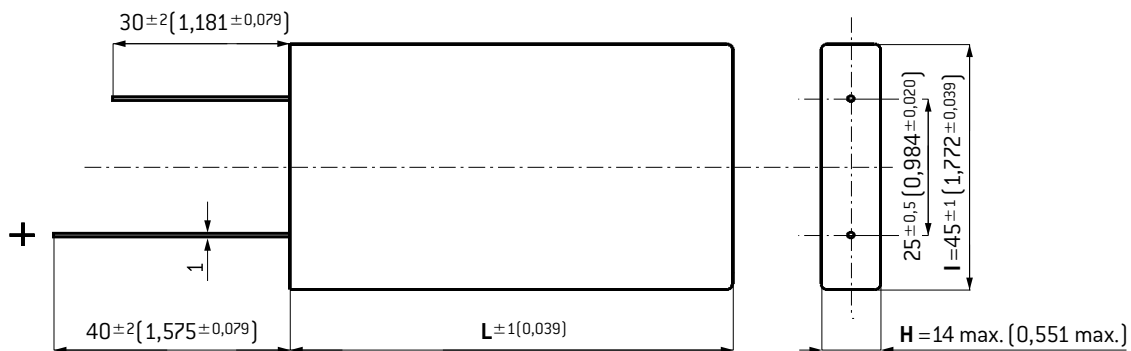
- Hermetic case with laser welding
- Low profile printed circuit mounting
- Possible mounting with 45 x 12 bracket (A691057)
- Possible thermal dissipation per conduction through lower and upper surface
- Withstands more than 92,000 feet altitude

Sleeve optional : polyester tape

Stainless steel case: Tin coated leads

Tolerance on capacitance at 20°C :  $\pm 20\%$ 

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 $\pm 25\%$ (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 <sup>2</sup> *
t (h)	3 x 2 h

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

## SPECIFICATIONS

CECC 30301 Long life  
IEC 60 384-4 Long life

## WITHSTAND STRENGTH OF INSULATING SLEEVE

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

\* PPI 114 shrinkable polyester tape with polyacrylate adhesive  
Insulating resistance at 20°C between leads and mounting hardware: 100 M $\Omega$ 

(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

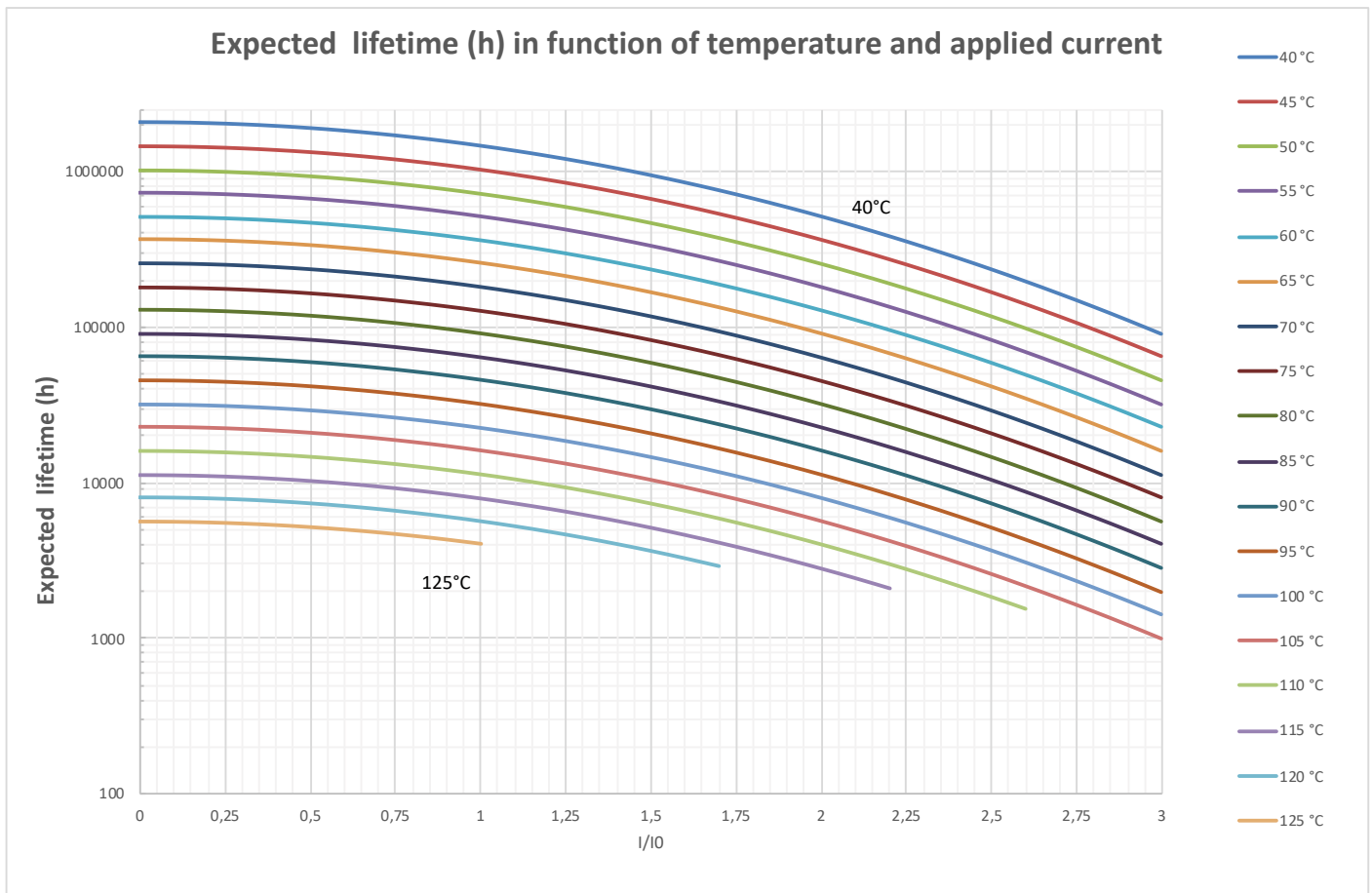
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Capacitance [ $\mu$ F]	Case			Tan $\delta$ 100 Hz +20°C Typic. [%]	ESR 100 Hz +20°C Typic [m $\Omega$ ]	Z 10 kHz +20°C Typic [m $\Omega$ ]	II +20°C 5 min. max. [A]	I ~ 100 Hz		Code			
	I mm (inches)	L mm (inches)	H mm (inches)					+40°C max. [A]	+85°C max. [A]				
<b>Rated voltage 7,5 V</b>													
23 000	45	[1.772]	38	[1.496]	13	[0.512]	57	40	41	0.5	11.5	3.1	A753000
37 000	45	[1.772]	51	[2.008]	13	[0.512]	57	25	26	0.8	16.6	4.4	A753001
60 000	45	[1.772]	76	[2.992]	13	[0.512]	57	15	17	1.4	25.3	6.7	A753002
<b>Rated voltage 10 V</b>													
19 000	45	[1.772]	38	[1.496]	13	[0.512]	49	41	41	0.6	11.4	3.1	A753050
31 000	45	[1.772]	51	[2.008]	13	[0.512]	49	25	27	0.9	16.5	4.5	A753051
50 000	45	[1.772]	76	[2.992]	13	[0.512]	49	16	17	1.5	25.2	6.8	A753052
<b>Rated voltage 16 V</b>													
12 000	45	[1.772]	38	[1.496]	13	[0.512]	30	41	40	0.6	11.3	3.0	A753100
19 000	45	[1.772]	51	[2.008]	13	[0.512]	30	26	26	0.9	16.4	4.4	A753101
31 000	45	[1.772]	76	[2.992]	13	[0.512]	30	16	17	1.5	25.0	6.7	A753102
<b>Rated voltage 20 V</b>													
10 000	45	[1.772]	38	[1.496]	13	[0.512]	34	52	50	0.6	10.3	2.9	A753150
17 000	45	[1.772]	51	[2.008]	13	[0.512]	34	32	32	1.0	14.9	4.2	A753151
27 000	45	[1.772]	76	[2.992]	13	[0.512]	34	20	21	1.6	22.6	6.5	A753152
<b>Rated voltage 25 V</b>													
6 800	45	[1.772]	38	[1.496]	13	[0.512]	23	54	50	0.5	10.0	2.9	A753200
11 000	45	[1.772]	51	[2.008]	13	[0.512]	23	33	32	0.8	14.6	4.1	A753201
18 000	45	[1.772]	76	[2.992]	13	[0.512]	23	21	21	1.4	22.2	6.3	A753202
<b>Rated voltage 40 V</b>													
3 700	45	[1.772]	38	[1.496]	13	[0.512]	14	59	53	0.4	9.3	2.4	A753250
6 000	45	[1.772]	51	[2.008]	13	[0.512]	14	37	32	0.7	13.5	3.5	A753251
9 700	45	[1.772]	76	[2.992]	13	[0.512]	14	23	21	1.2	20.6	5.4	A753252
<b>Rated voltage 50 V</b>													
2 600	45	[1.772]	38	[1.496]	13	[0.512]	10	63	55	0.4	9.0	2.3	A753300
4 200	45	[1.772]	51	[2.008]	13	[0.512]	10	39	33	0.6	13.0	3.4	A753301
6 800	45	[1.772]	76	[2.992]	13	[0.512]	10	24	20	1.0	19.8	5.1	A753302
<b>Rated voltage 63 V</b>													
2 100	45	[1.772]	38	[1.496]	13	[0.512]	9	68	57	0.4	8.7	2.2	A753350
3 300	45	[1.772]	51	[2.008]	13	[0.512]	9	42	35	0.6	12.5	3.3	A753351
5 400	45	[1.772]	76	[2.992]	13	[0.512]	9	26	20	1.0	19.1	5.0	A753352
<b>Rated voltage 80 V</b>													
1 100	45	[1.772]	38	[1.496]	13	[0.512]	6	83	63	0.3	7.7	1.9	A753400
1 800	45	[1.772]	51	[2.008]	13	[0.512]	6	51	38	0.4	11.2	2.8	A753401
2 900	45	[1.772]	76	[2.992]	13	[0.512]	6	32	23	0.7	17.0	4.3	A753402
<b>Rated voltage 160 V</b>													
420	45	[1.772]	38	[1.496]	13	[0.512]	7	279	202	0.2	4.2	1.1	A753500
670	45	[1.772]	51	[2.008]	13	[0.512]	7	174	124	0.3	6.1	1.6	A753501
1 100	45	[1.772]	76	[2.992]	13	[0.512]	7	107	76	0.5	9.4	2.5	A753502
<b>Rated voltage 200 V</b>													
270	45	[1.772]	38	[1.496]	13	[0.512]	6	369	226	0.2	3.6	0.9	A753550
430	45	[1.772]	51	[2.008]	13	[0.512]	6	229	140	0.3	5.3	1.4	A753551
700	45	[1.772]	76	[2.992]	13	[0.512]	6	141	85	0.4	8.0	2.1	A753552
<b>Rated voltage 250 V</b>													
210	45	[1.772]	38	[1.496]	13	[0.512]	6	430	215	0.2	3.3	0.8	A753600
340	45	[1.772]	51	[2.008]	13	[0.512]	6	267	133	0.3	4.8	1.2	A753601
550	45	[1.772]	76	[2.992]	13	[0.512]	6	165	81	0.4	7.3	1.8	A753602
<b>Rated voltage 350 V</b>													
140	45	[1.772]	38	[1.496]	13	[0.512]	7	738	318	0.2	2.5	0.6	A753650
230	45	[1.772]	51	[2.008]	13	[0.512]	7	459	197	0.2	3.6	0.9	A753651
380	45	[1.772]	76	[2.992]	13	[0.512]	7	283	120	0.4	5.5	1.4	A753652

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