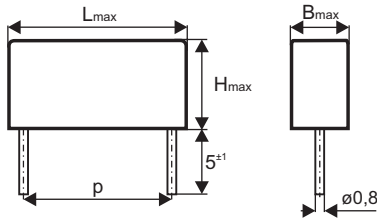


Metallized polypropylene film pulse capacitors

KPI 341 - 344



L [mm]	p [mm]
26,5	22,5
32	27,5
42,5	37,5
43	37,5

Max. pulse rise time dU/dt [V/μsec]

U _r	p(mm)		
	22,5	27,5	37,5
630	1000	700	500
1000	2000	1500	750
1500	2400	1800	1250
2000	3900	2800	1500

If the working voltage U_{op} is lower than U_r, the capacitor may work higher dU/dt. The dU_{op}/dt is obtained multiplying the dU_r/dt with the ratio U_r/U_{op}.

$$dU_{op}/dt = dU_r/dt \times U_r/U_{op}$$

Max. permissible dissipation factor tgδ at +25°C

kHz	C ≤ 0,1μF	C > 0,1μF
1	0,0005	0,0005
10	0,0005	0,0005
100	0,0010	

Working voltage U_c:

up to +85°C U_c=U_r For temperatures between +85°C and +100°C a decreasing factor of 1,25% per °C on the U_r has to be applied.



Construction of capacitors:

Polypropylene film capacitors for pulse operation. Electrode 1: aluminium foil. Electrode 2: double side metallized film. Noninductive construction. Self-healing ability. Rectangular plastic case is epoxy resin sealed. Terminals: tinned copper for PCB. Flame retardant construction in accordance to UL 94 V-0. Axial or axial flat construction also available on request.

Reference standards:

General specifications: IEC 60384-1
 Sectional specifications: IEC 60384-17



CERTIFIED COMPONENT:

IECEE-CB certificate CZ-1055(1.004940-01/A,B)

THE ESČ MARK - a symbol of the product safety and reliability

Tolerances: ± 20%; ± 10%; ± 5%

Other values of tolerance we manufacture on request.

Insulation resistance Ris:

at voltage charge 100 VDC after 1 min. charging

C ≤ 0,33 μF Ris min. 100 000 MΩ

C > 0,33 μF Ris min 30 000 sec.

Time constant tis: tis = Ris · C [sec; MΩ; μF]

Climatic category: 55/100/56

Test voltage between terminations: U_T = 1,6 × U_r for 2 sec. at ambient temperature +25°C ±5°C

Type	KPI 341	KPI 342	KPI 343	KPI 344
Nominal voltage U _r =DC/AC	630 300	1000 350	1500 450	2000 500
Nominal capacitance C_r	Maximal dimensions B x H x L (mm)			
1000 pF			6x15x26,5	6x15x26,5
1500			6x15x26,5	6x15x26,5
2200			6x15x26,5	6x15x26,5
3300			6x15x26,5	7,5x16x26,5
4700			6x15x26,5	8,5x17x26,5
5600			7,5x16x26,5	8,5x17x26,5
6800			7,5x16x26,5	9x17,5x32
8200			8,5x17x26,5	9x17,5x32
0,010 μF		6x15x26,5	8,5x17x26,5	10x20x32
0,015		7,5x16x26,5	9x17,5x32	13,5x23,5x32
0,018		8,5x17x26,5	10x20x32	13,5x23,5x32
0,022	6x15x26,5	8,5x17x26,5	10x20x32	10x20,5x42,5
0,027	6x15x26,5	8,5x17x26,5	10x20x32	11x22x42,5
0,033	7,5x16x26,5	9x17,5x32	13,5x23,5x32	14x25,5x42,5
0,039	7,5x16x26,5	10x20x32	10,5x20,5x42,5	14x25,5x42,5
0,047	8,5x17x26,5	10x20x32	11x22x42,5	16,5x28,5x43
0,056	8,5x17x26,5	13,5x23,5x32	11x22x42,5	16,5x28,5x43
0,068	9x17,5x32	10,5x20,5x42,5	14x25,5x42,5	18,5x29x43
0,082	9x17,5x32	10,5x20,5x42,5	16,5x28,5x43	22,5x30,5x43
0,10 μF	10x20x32	11x22x42,5	16,5x28,5x43	22,5x30,5x43
0,12	10x20x32	11x22x42,5	18,5x29x43	28,5x37,5x43
0,15	10,5x20,5x42,5	14x25,5x42,5	28,5x37,5x43	30x45x42,5
0,18	10,5x20,5x42,5	16,5x28,5x43	28,5x37,5x43	30x45x42,5
0,22	11x22x42,5	18,5x29x43	30x45x42,5	35x45,5x43
0,33	14x25,5x42,5	22,5x30,5x43	35x45,5x43	
0,47	18,5x29x43	28,5x37,5x43		
0,56	22,5x30,5x43	30x45x42,5		
0,68	28,5x37,5x43	30x45x42,5		
1,0μF	28,5x37,5x43	35x45,5x43		

Maximum AC voltage dependence on frequency

