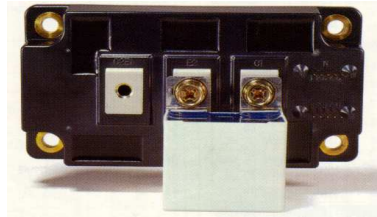
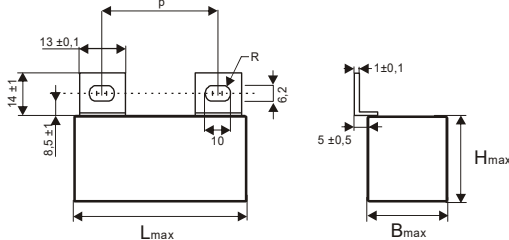
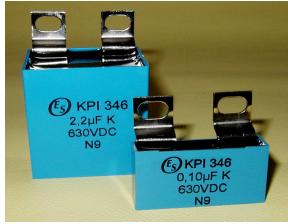




Metallized polypropylene film pulse capacitors KPI 346S-349S



L [mm]	p [mm]
42,5	27,5 ±0,4
58	27,5÷41 ±0,5

Applications:

Capacitors for applications as IGBT modules protection. Protection circuits in SMPs, snubber circuits, high voltage and high current applications, high pulse operation.

Construction:

This capacitors are made of metal-Al foil. Dielectricum is polypropylene film, plastic prismatic case sealed with epoxy resin. The case and resin are flame retardand (UL - class 94, V-0).

Reference standard: IEC 60384-1, IEC 60384-17

CERTIFIED COMPONENT IECCE-CB

CZ-1181(1.104805-00/00

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

Tolerance of capacitance: ± 20%(M), ± 10% (K), ± 5%(J)

Climatic category (IEC 60068-1): 40/085/56

Temperature range: T : - 40°C + +85°C

Category voltage $U_c = U_R, T \leq 85^\circ\text{C}$

Under operation at rated power the maxim.

permissible ambient temperature is +70°C.

Max. permissible current pulse you get by formula

$I_p = C \times dU/dt$ [A; µF, V/µsec.]

Dissipation factor tg d at 1kHz, +25°C $\tau = R \times C$

tg d < 0,0005

Test voltage at + 25°C: $1,6 \times U_R$ 1min.

Non recurrent surge voltage Upk:

Type	KPI 346S	KPI 347S	KPI 348S	KPI 349S
Upk	1000V	1400V	1600V	2400V

Insulation resistance at 100 VDC after 1 min charging between terminals
 $30 \text{ GOhm} / C[\mu\text{F}] \leq R_{is} < 100 \text{ GOhm}$

Informative value of ESL:

measured at resonant frequency < 30 nH

Marking for purchase ordering:

KPI 346S 1,5µF±10% 630VDC

Type	KPI 346 S			
Rated voltage DC/AC 630/300V 50/60 Hz				
Capacity C_R [µF]	Dimensions BxHxL [mm]	ESR [mOhm] at 100kHz Max	I_{RMS} [A] at $T_a < +55^\circ\text{C}$	Max. dU/dt V/µs.
0,1	11,5x22x42,5	14	26	4500
0,15	14x26x42,5	12	29	4500
0,22	14x26x42,5	10	32,5	4500
0,33	17x28x42,5	8	36	4200
0,47	22x30x42,5	7	39	4200
0,68	28x37x42,5	6	40,5	4200
1,0	28x37x42,5	5	44	4000
1,5	30x45x42,5	5	45	3500
2,0	35x45x42,5	4	46	3000
2,2	40x50x58	4	46	3000
2,5	40x50x58	3,5	48	3000
3,0	40x60x58	3,0	48	3000
3,3	40x60x58	3,0	48	3000
3,5	40x60x58	2,5	48	3000
3,9	50x60x58	2,2	48	3000
4,5	50x60x58	2,0	48	3000

Type	KPI 348 S			
Rated voltage DC/AC 1200/500V 50/60 Hz				
Capacity C_R [µF]	Dimensions BxHxL [mm]	ESR [mOhm] at 100kHz	I_{RMS} [A] at $T_a < +55^\circ\text{C}$	Max. dU/dt V/µs.
0,1	18x28,5x42,5	12	26	4500
0,15	18x28,5x42,5	10	29	4500
0,22	22x30x42,5	8	32,5	4500
0,33	28x37x42,5	6	36	4200
0,47	28x37x42,5	5	39	4200
0,68	30x45x42,5	4	40,5	4200
1,0	35x45x42,5	3,5	44	4000
1,2	40x50x42,5	3,5	44,5	3500
1,2	35x45x58	3	44,5	3500
1,5	40x50x58	3	45	3500
1,5	40x50x42,5	3	45	3500
2,0	40x60x58	2,5	45,5	3500
2,5	50x60x58	2,5	46,2	3500
2,7	50x60x58	2,5	46,2	3500
3,0	50x60x58	2,5	46,2	3500

Type	KPI 347 S			
Rated voltage DC/AC 1000/475V 50/60 Hz				
Capacity C_R [µF]	Dimensions BxHxL [mm]	ESR [mOhm] at 100kHz Max	I_{RMS} [A] at $T_a < +55^\circ\text{C}$	Max. dU/dt V/µs.
0,1	17x28x42,5	14	26	4500
0,15	18x28,5x42,5	12	29	4500
0,22	22x30x42,5	10	32,5	4500
0,27	22x30x42,5	9	34	4300
0,33	22x30x42,5	8	36	4200
0,47	28x37x42,5	7	39	4200
0,68	28x37x42,5	6	40,5	4000
1,0	30x45x42,5	5	44	3500
1,2	35x45x42,5	5	44,5	3000
1,5	40x50x42,5	4	45	2500
1,5	35x45x58	4	45,5	2500
2,0	40x50x58	4	46	2500
2,5	40x60x58	3	46,2	2500
3,0	50x60x58	3	48	2500
3,3	50x60x58	2,6	48	2500
3,6	50x60x58	2,5	48	2500
4,0	50x60x58	2,2	48	2500

Type	KPI 349 S			
Rated voltage DC/AC 2000/630V 50/60 Hz				
Capacity C_R [µF]	Dimensions BxHxL [mm]	ESR [mOhm] at 100kHzMax	I_{RMS} [A] at $T_a < +55^\circ\text{C}$	Max. dU/dt V/µs.
0,1	22x30x42,5	12	26	4500
0,15	28x37x42,5	10	29	4500
0,22	28x37x42,5	6	32,5	4500
0,33	30x45x42,5	5	36	4200
0,47	35x45x42,5	4	39	4000
0,68	40x50x42,5	4	40,5	3500
0,82	40x50x42,5	4	42,5	3000
0,82	40x50x58	3,5	42,5	3000
1,0	40x60x58	3,5	44	2500
1,2	40x60x58	3,0	44,5	2500
1,5	50x60x58	2,5	46	2500

Other values available upon request.