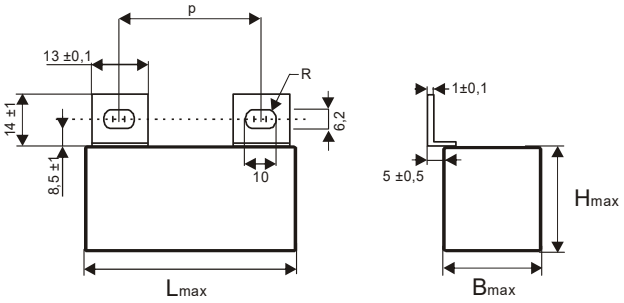
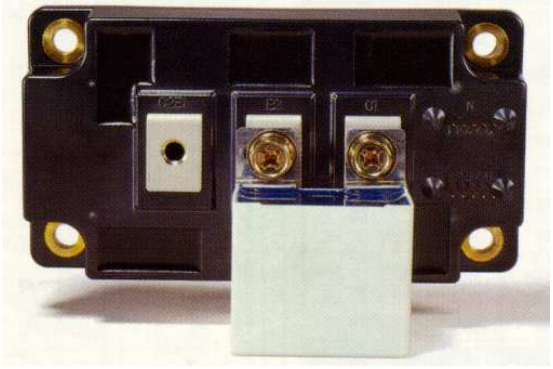
Elektronické součástky CZ, a.s.

Metallized polypropylene film pulse capacitors
KPI 348SL



L [mm]	p[mm]
42,5	27,5 ±0,4



Applications:
Capacitors for applications as IGBT modules protection. Protection circuits in SMPSs,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

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 Uc = U_R, T ≤ 85°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 × dU/dt [A; µF, V/µsec.]

Dissipation factor tg d at 1kHz, +25°C τ = R×C
tg d < 0,0005

Test voltage between terminals at + 25°C: 2000VDC

Test voltage between terminals and case:
3000V/50Hz 2 sec.

Insulation resistance at 100 VDC after 1 min charging between terminals
30 GOhm /C[µF]

Information value of ESL:
ESL [nH] measured at resonant frequency < 25 nH

Marking for purchase ordering:
KPI 348SL 1,5µF± 5% 1200VDC

Type	**KPI 348 SL** Rated voltage DC/AC 1200/630V 50/60 Hz			
Capacitance C_R [µF]	Dimensions BxHxL [mm]	ESR [mOhm] at 100kHz Max	I_{RMS} [A] at Ta +25°C	Max. dU/dt V/µs.
1,2	40x50x42,5	2,3	30	1000
1,5	40x50x42,5	2,3	30	1000

Other values available upon request