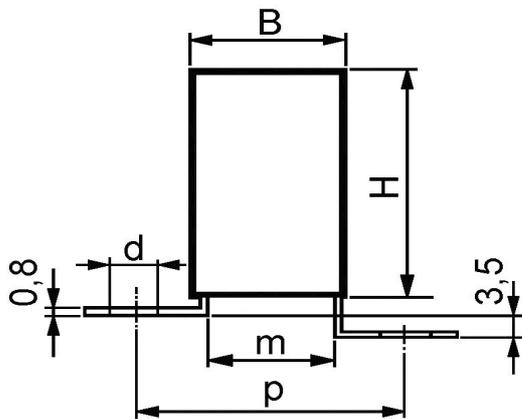
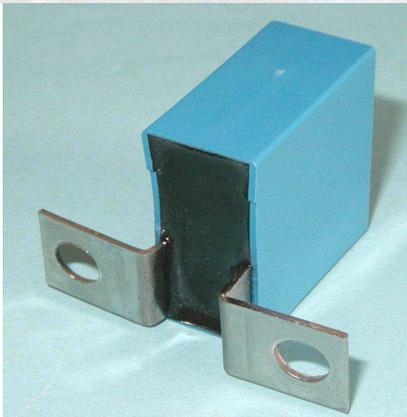
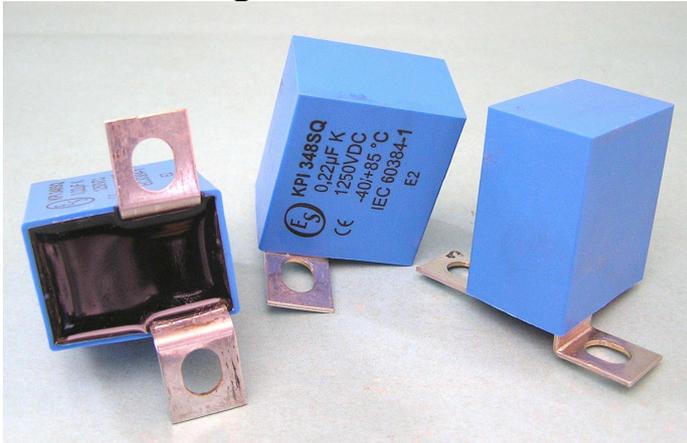


KPI 348SQ CAPACITORS FOR AC & PULSE APPLICATIONS



Capacity C_R [μF]*	Dimensions ⁺¹ [mm]						
	B	H	L	m	p	d or axb**	
0,22	21,5	37,5	32	14,5	32,5	6,5	8

*Other Capacity on request

** Hole round or oval

The Dimensions on Request, pleas, fill in the Table

Construction:

Metal foil electrodes, polypropylene film dielectric, Non-inductive, self-healing construction, Plastic flame retardant case, epoxy resin sealed

Applications:

AC applications with high peak and RMS current loading, high pulse loading, High dU/dt snubber applications. Directly mount to the IGBT module or across the Bus

Technical data

Rated voltage U_R : 1250DC

Rated voltage is the max. DC or peak voltage, for which the capacitor is designed.

If the capacitor works with the DC and also super-imposed AC voltage U_{AC} , the sum of DC and the amplitude of AC must not exceed the U_R

Max permissible AC voltage: 600V 50/60Hz, If the working frequency is higher, the permissible AC voltage must be decreased, not to exceed the max. loss power of the capacitor.

Rated capacitance: 0,1±1μF, other capacity on request

Tolerance: ±10%, ±5%, other tolerance on request

Dissipation factor $Tg\delta$: < 0,0006 at 1kHz and +25°C

ESR: at 100kHz and +25°C < 8mΩ

Insulation resistance R_{IS} : 30 000/C [MΩ, uF]

Operating temperature range: -40 ÷ +70°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +70°C.

Max . permitted dissipation power of the capacitor P_L : depend on the cooling conditions

Test voltage between terminals: 1600VDC, 2sec at +25°C, All capacitors are tested by the routine test by the producer

Protection against Over-voltages:

The capacitors are self-healing and regenerate themselves after occasional breakdowns. The capacitor remains fully functional after the breakdown.

Permitted Over-voltages in working conditions:

1,1 x U_R max. 10% of the service period

If the Over-voltages exceed the permissible values above, the capacitor might have been destroyed.

Test voltage between terminals and case:

3000VDC, 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt:

< 1000V/μsec at U_R and +25°C

Max. peak current I_p : < $C_R \times dU/dt$

Related standards: IEC 60384-1

Marking for purchase ordering:

KPI348SQ 0,22μF±10% 1250V DC

Warning! The manufacturer is not responsible for any damages, caused by the improper installation and application. Before using the capacitor in any application, pleas, read carefully this technical data-sheet.