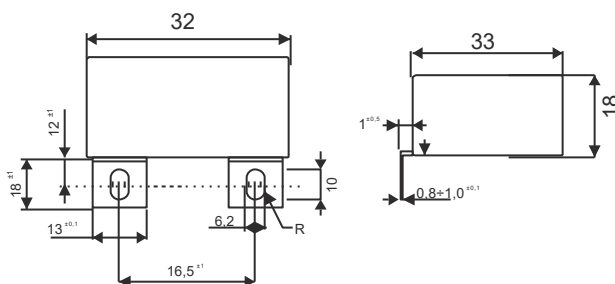
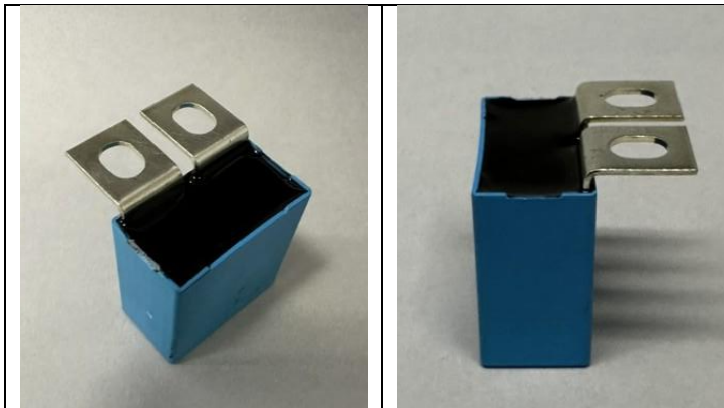


MKPI 337SQ 1000VDC-construction B CAPACITORS FOR DC OR AC AND PULSE APPLICATIONS



Capacity $C_R[\mu F]^*$	Dimensions ± 1 [mm]					I _{rms} max 50kHz		
	B	H	L	p	t	Ta:25°C	50	85
0,47	18	33	32	16,5 ± 1	1,0	34	26	12

*Other Capacitance on request

Construction:

These capacitors are made of double side metallized carrier film, dielectricum is polypropylene film, Non-inductive, self-healing construction, Plastic flame- retardant case, epoxy resin sealed

Applications:

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

Technical data

Rated voltage U_R : 1000DC

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: 475V 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: 0,47 μF , other capacity on request

Tolerance: $\pm 10\%$, $\pm 5\%$, other tolerance on request

Dissipation factor $Tg\delta$: $< 0,0005$ at 1kHz and $+25^\circ C$

ESR: at 100kHz and $+25^\circ C < 8m\Omega$

Insulation resistance R_{IS} : 30 000/C [M Ω , μF]

Operating temperature range: $-40 \div +70^\circ C$

The highest permissible capacitor temperature at the hottest point of the case must not exceed $+70^\circ C$.

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: 2 x U_R at $+25^\circ C$ 2 sec

Max. repetitive rate of voltage rise dU/dt :

$< 475V/\mu sec$ at U_R and $+25^\circ C$

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

Related standards: IEC 60384-1

Marking for purchase ordering:

MKPI 337 SQ B 0,47 $\mu F \pm 10\%$ 1000V 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.