

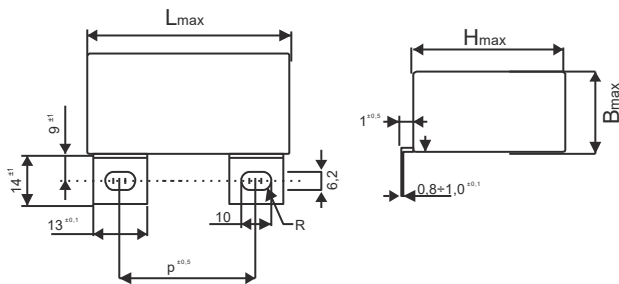
CAPACITORS FOR AC & PULSE APPLICATIONS

MKPI 339SQ



INFO

Dimensions:



C _R [µF]*	Dimensions *1[mm]				dU/dt V/us	
	B	H	L	p**		
0,022	15	25,5	42,5	27,5	600	
0,1	18	28,5	42,5	27,5	600	

Construction:

Double side metalized film electrodes, internal series connection, polypropylene film dielectric, Non-inductive, self-healing construction, Plastic flame retardant case UL94-V0, epoxy resin sealed

Applications:

AC applications with high peak and RMS current loading, high pulse loading, snubber applications. Directly mount to the IGBT modules or across the Bus,

Technical data

Rated voltage U_R : 2000VDC

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: 630VAC 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.

Tolerance: ±10%

other tolerance on request

Dissipation factor Tgδ: < 0,0006 at 1kHz and +25°C, typical value < 0,0004 at 1kHz

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

Operating temperature range: -40 ÷ +85°C

Max permissible ambient temperature: +70°C on the surface of the case. The highest permissible capacitor temperature at the hottest point of the case must not exceed +85°C.

Test voltage between terminals: 2500VDC, 1min at +25°C. All capacitors are tested by the routine test by the producer

Protection against Overvoltages:

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

Non Recurrent Surge Voltage: U_{PK} < 1,1xU_R

If the Overvoltages exceed the permissible value above, the capacitor might have been destroyed.

Test voltage between terminals and case:

3000VDC, 1min. at +25°C

Max. peak current I_p: < C_R x dU/dt

Related standards: IEC 60384-1 and IEC 60384-17

Marking for purchase ordering, sample:

MKPI339SQ 0,1µF±10% 2000V DC

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