



## MKP353 PHZ CAPACITORS FOR AC APPLICATIONS



### Construction:

Metallized polypropylene film, non-inductive, self-healing construction, plastic flame-retardant case

### Applications:

Motor run-capacitors and other AC applications

### Technical data

**Rated voltage  $U_R$ :** 450VAC 50/60Hz Class D

If the working frequency is higher, the permissible AC voltage must be decreased

**Rated capacitance:**  $3 \div 6,5 \mu\text{F}$

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

**Dissipation factor  $Tg\delta$ :**  $< 0,001$  at 100Hz and  $+25^\circ\text{C}$

**Insulation resistance  $R_{IS}$ :**  $> 30\ 000/\text{C}$  [ $\text{M}\Omega$ ;  $\mu\text{F}$ ]

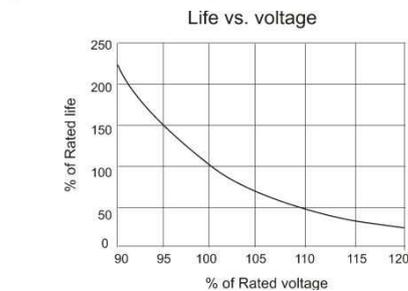
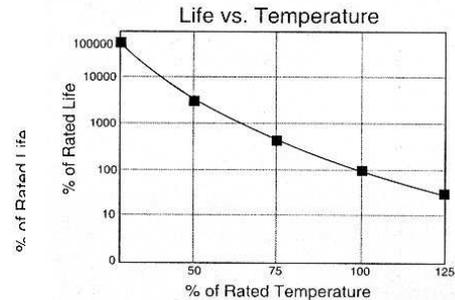
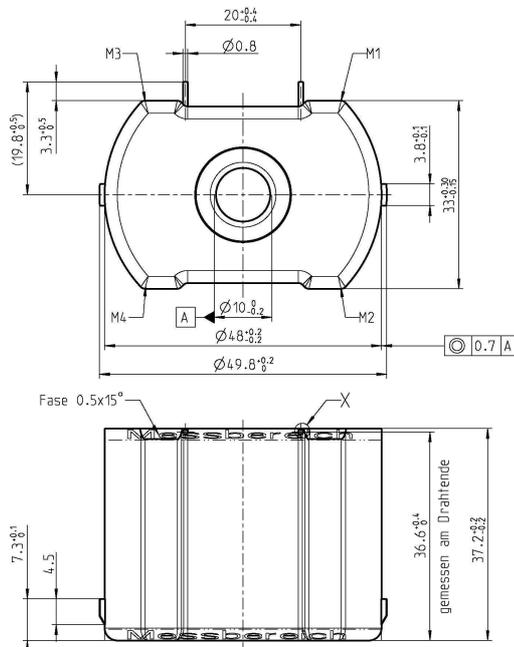
**Operating temperature range:**  $-25 \div +85^\circ\text{C}$

The highest permissible capacitor temperature at the hottest point of the case must not exceed  $+85^\circ\text{C}$ .

**Operating life Test-conditions:**

$1,25xU_R$  at  $+85^\circ\text{C}$ , 600h

**Life expectancy:** Class D



**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.

**Test voltage between terminals:**  $1,4 \times U_R$ , 1min. at  $+25^\circ\text{C}$  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:

$1,1 \times U_R$  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:

2000VAC, 1min. at  $+25^\circ\text{C}$

### Max. repetitive rate of voltage rise $dU/dt$ :

$< 20\text{V}/\mu\text{sec}$  at  $U_R$  and  $+25^\circ\text{C}$

**Related standards:** IEC 60252-1 and EN 60384-1

### Marking for purchase ordering:

MKP353PHZ  $3\mu\text{F}\pm 5\%$  450V 50/60Hz