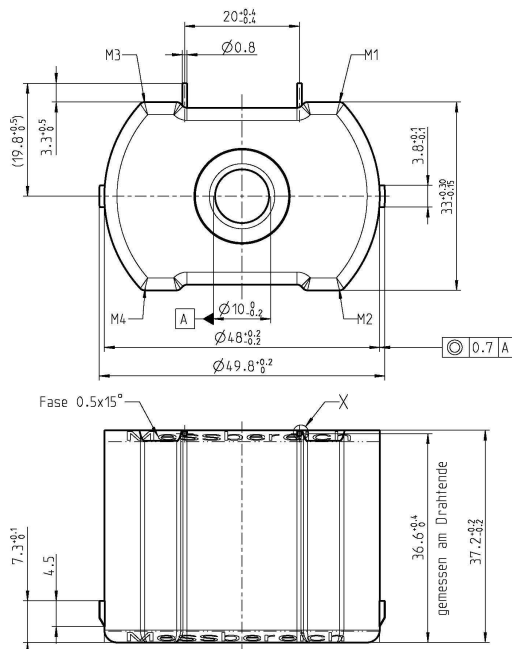




MKP351 PHZ CAPACITORS FOR AC APPLICATIONS



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.

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 : 250VAC 50/60Hz Class D

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

Rated capacitance: 18 μ 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} : $> 30\ 000/\text{C}$ [$\text{M}\Omega$; μF]

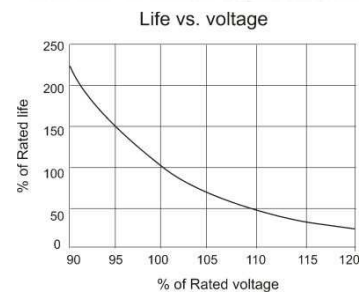
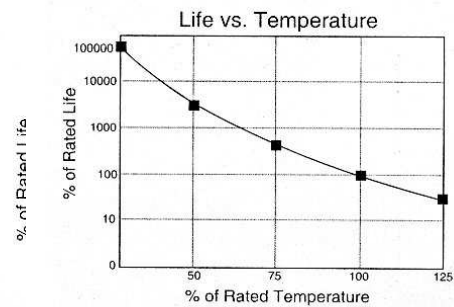
Operating temperature range: $-25 \div +85^\circ\text{C}$

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

Operating life Test-conditions:

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

Life expectancy: Class D



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:

MKP351 PHZ 18 $\mu\text{F} \pm 5\%$ 250V 50/60Hz