

Special polypropylene film AC & pulse capacitors

KPI 300-039



Applications:

Special capacitors for AC voltage and pulse applications.

Construction:

Electrodes are metallized polypropylene film.

Dielectric - polypropylene film.

Tubular plastic case (UL 94 V-0).

Coating: capacitors are epoxy resin sealed.

Leads: screws M4

Reference standards: IEC 384 - 1, EN 130 000, IEC 384 - 17

Capacitance: $C_R = 0,5 \mu F$

Tolerance: $\pm 10\%$

Dissipation factor $\tan \delta$

by: 1kHz, 25°C $\tan \delta \leq 0,0009$

by: 10 kHz, 25°C $\tan \delta \leq 0,009$

Climatic category: 55/085/56

Temperature range: -55°C - +85°C*

* Surface temperature on the capacitor must not be higher as +85°C

Nominal working voltage: $U_R = 2500 \text{ VDC}$

Test voltage between terminals: $U_T = 3000 \text{ VDC} / 60 \text{ sec.}$

Sporadic pulse: $U_{\text{Temp}} 3200 \text{ V}, 2 \text{ sec MAX}$

Test voltage between terminals and case: $U_T = 3000 \text{ VDC} / 60 \text{ sec.}$

Insulation resistance between terminals: by 100 VDC after 1 min. charging $R_{is} > 30\,000 \text{ M}\Omega$

Permissible pulse loading 10 000 cycles by: $dU/dt \leq 1000 \text{ V}/\mu\text{sec}$

Specification of dimensions

