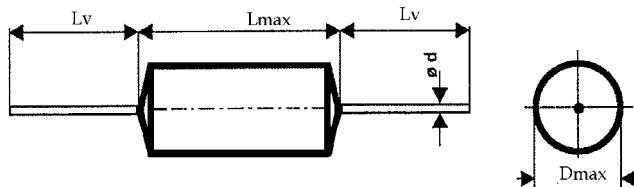
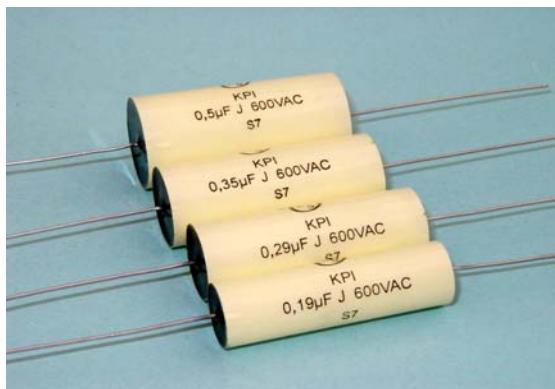
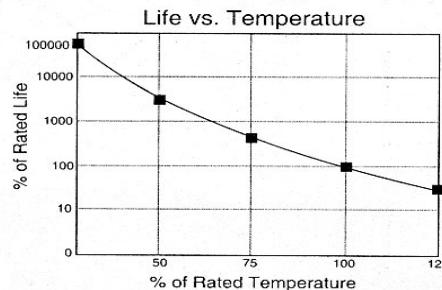
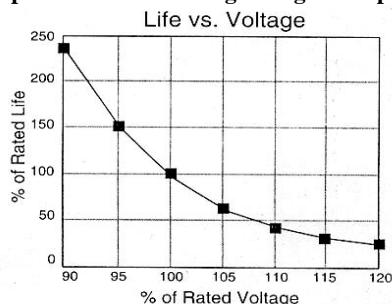


KPI 300 – 047 Capacitors for AC & Pulse applications



Influence of temperature and working voltage on expected service-life



[uF]	Dimensions [mm]				Weight of capacitor [g]
	D	L	Lv	d	
0,05	10	30	40	0,8	4
0,1	12,5	30	40	0,8	6,0
0,15	16	30	40	0,8	8,5
0,165	16	30	40	0,8	9,0
0,19	18,5	30	40	0,8	9,0
0,19	11,5	40	40	0,8	6,2
0,22	19,8	30	40	0,8	11
0,22	12,5	40	40	0,8	7
0,29	14	40	40	0,8	9,2
0,33	24	30	40	0,8	13,5
0,33	15	40	40	0,8	9,8
0,35	17	40	40	0,8	10,6
0,47	19	40	40	0,8	14,5
0,5	23	40	40	0,8	14,8
0,56	24	40	40	0,8	16,5
0,68	25	40	40	0,8	19
1,0	31	40	40	0,8	26
1,0	25	60	40	0,8	26

Rated capacitance: 0,05 ÷ 1μF

Tolerance: ±10%, ±5%, other tolerance on request

Dissipation factor Tgδ: < 0,001 at 1kHz and +25°C

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

Operating temperature range: -40 ÷ +70°C

The highest permissible capacitor temperature at the hottest point of the case must not exceed +70°C.

Test voltage between terminals: 1250VDC, 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.

Permitted Overvoltages in working conditions:

1,1 x U_R max. 10% of the service period

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

Test voltage between terminals and case:

3000VDC, 1min. at +25°C

Max. repetitive rate of voltage rise dU/dt:

< 1000V/μsec at U_R and +25°C

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

Related standards: IEC 60384-1

Marking for purchase ordering:

KPI300-047 165nF±10% 1000V DC/600VAC

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.