



PLAIN POLYESTER FILM CAPACITORS (FOR LIGHTING APPLICATIONS)

MAIN APPLICATION: Suitable for radio interference suppression in starters for fluorescent lamps, compact fluorescent lamps and PL lamps.

CONSTRUCTION: Film/foil inductive type construction with aluminum foil as electrode and polyester (PET) film as dielectric coated with flame retardant epoxy resin.

CLIMATIC CATEGORY: 40/100/21

APPLICABLE SPECIFICATION: IEC 384-11, IEC 68

CAPACITANCE VALUE: 0.0033, 0.0047 and 0.006 μf

CAPACITANCE TOLERANCE: $\pm 10\%$, $\pm 20\%$

RATED VOLTAGE (DC): 630V

VOLTAGE PROOF (Between terminals):
2 times of rated voltage for 2 seconds.

INSULATION RESISTANCE:
Measured at 500V DC after 1 minute: 50,000 M Ω (Min value)

DIELECTRIC STRENGTH:

At 1500V AC > 60 seconds (flat radial type).
At 2200V AC > 8 seconds (round radial type).

TAN δ : 0.8% (maximum) at 1 kHz

LIFE TEST CONDITIONS (Loading at elevated temperature):
Loaded at 1.5 times of rated voltage at 85° C or 1.5 times of category voltage at 100° C for 1000 hours. Category voltage is 80% of rated voltage.

AFTER THE TEST

$\Delta\text{c/c}$: $\leq 5\%$ of initial value.

Change in Tan δ : ≤ 0.01 or 1.2 times the value measured before the test, whichever is higher.

Insulation resistance: $\geq 50\%$ of the value mentioned in IR chart.

ENDURANCE TEST: Deactivated lamp test as per IEC 155-1993.

Ordering Code and Packing Units: Plain Polyester Film Capacitors (For Lighting Applications)

Rated Voltage	Rated Cap. (μf)	Maximum Dimensions (mm)						Dv/Dt V/ μs	Wt g	Ordering code	Packing units	
		L	H	W	d	S	F				Ammo	Bulk
Epoxy Coated												
630V DC/	0.0033	8.5	15	4.5	0.5	5.0	5	10000	0.56	10 332 +2J*^	4500	2000
250V AC	0.0047	8.5	15	4.5	0.5	5.0	5	10000	0.64	10 472 +2J*^	4500	2000
	0.006	8.5	15	4.5	0.5	5.0	5	10000	0.72	10 602 +2J*^	2000	2000
Only Impregnated												
630V DC/	0.0033	8.5	15	4.5	0.5	5.0	5	10000	0.5	11 332 +2J*^	4500	2000
250V AC	0.0047	8.5	15	4.5	0.5	5.0	5	10000	0.6	11 472 +2J*^	4500	2000
	0.006	8.5	15	4.5	0.5	5.0	5	10000	0.65	11 602 +2J*^	2000	2000

NOTE

- Replace the + by the code letter for the required tolerance.
F: $\pm 1\%$, G: $\pm 2\%$, H: $\pm 2.5\%$, J: $\pm 5\%$, K: $\pm 10\%$, M: $\pm 20\%$
- Replace * by the code letter for packing type.
1 : Bulk Packing
2 : Bulk Packing (After forming & cutting)
3 : Ammo Packing (F&T)
4 : Bulk Packing (forming in original pitch)
5 : Bulk Packing (formed & without cut)
6 : Ammo Packing (Straight Lead)
7 : Bulk Packing (Straight Lead cut)
- Replace ^ by the code letter indicated drawing reference.
A : As per the catalogue
B-Z : customer drawing reference
- These are the most popular values. Other values in the range are available on request. For dimensions, please refer to the closest higher value.

