

## PLAIN POLYESTER FILM CAPACITORS (Starter applications for Lighting)

**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:** 0.0012, 0.0033, 0.0047 and 0.006  $\mu$ f

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

**RATED VOLTAGE (DC):** 630 V

**VOLTAGE PROOF:** Between terminals: 2 times of rated voltage for 2 seconds

**INSULATION RESISTANCE**

Measured at 500 V DC after 1 minute 50,000 M $\Omega$  (Min. value)

**DIELECTRIC STRENGTH:**

At 1500 V AC > 60 seconds (Flat radial type)

**TAN  $\delta$ :** 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 1000 hours

Category voltage is 80% of rated voltage

**After the test:**

**$\Delta c/c:$**   $\leq 5\%$  of initial value.

**Change in Tan  $\delta:$**   $\leq 0.01$  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

Rated Voltage	Rated Cap. ( $\mu$ F)	Dimensions(mm)						F .8/- .2	DV/DT V/ $\mu$ s	Wt. g	Ordering code	Packing units	
		W $\pm 0.5$	H $\pm 0.5$	L $\pm 0.5$	d $\pm 0.05$	S $\pm 0.5$	Ammo					Bulk	
<b>Epoxy Coated</b>													
630 VDC/	0.0033	4.5	15	8.5	0.5	5.0	5.0	10000	0.56	10 332 +2J* <sup>^</sup>	4500	2000	
250 VAC	0.0047	4.5	15	8.5	0.5	5.0	5.0	10000	0.64	10 472 +2J* <sup>^</sup>	4500	2000	
	0.0068	4.5	15	8.5	0.5	5.5	5.0	10000	0.72	10 602 +2J* <sup>^</sup>	2000	2000	
<b>Only Impregnated</b>													
630 VDC/	0.0030	4.0	14	10.0	0.5	5.0	7.5	10000	0.50	11 302 +2J* <sup>^</sup>	4500	2000	
250 VAC	0.0033	4.5	15	8.5	0.5	5.0	5.0	10000	0.50	11 332 +2J* <sup>^</sup>	4500	2000	
	0.0047	4.5	15	8.5	0.5	5.0	5.0	10000	0.60	11 472 +2J* <sup>^</sup>	4500	2000	
	0.0068	4.5	15	8.5	0.5	5.5	5.0	10000	0.65	11 602 +2J* <sup>^</sup>	2000	2000	
1000 VDC	0.0050	5.0	19	9.0	0.5	5.5	12.5	10000	0.68	11 502 +3A* <sup>^</sup>	4000	2000	

