



# KRISHNONICS CAPACITORS

## 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.

### TAN δ

0.8% (maximum) at 1 kHz.

### CONSTRUCTION

Film / foil inductive type construction with aluminum foil as electrode and polyester (PET) film as dielectric coated with flame

### LIFE TEST CONDITIONS

(Loading at elevated temperature)  
Loaded at 1.5 times of rated voltage 85° C or 1.5 times of category voltage at 100°C for 1000 hours

### CLIMATIC CATEGORY

40/100/21

After the test:

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

Tan δ:  $\leq 0.01$  or 1.2 times the value measured before the test whichever is higher.

### APPLICABLE SPECIFICATION

IEC 384/11, IEC 68

### CAPACITANCE VALUE

0.0033, 0.0047 and 0.006 mfd.

### ENDURANCE TEST

Deactivated lamp test as per IEC 155-1993

### CAPITANCE TOLERANCE

$\pm 10\%$ ,

### VOLTAGE PROOF

Between terminals: 2 times of rated voltage for 2 seconds, 1500 VAC for 1 min

### INSULATION RESISTANCE

Measured at 500 V DC after 1 minute 50,000 MΩ minimum value

### DIMENSIONS

Rated Voltage	Rated Cap (μfd)	Maximum Dimensions (mm)					
		W	H	T	S ± 0.5	F ± 0.8/-0.2	D ± 0.05
Epoxy coated	0.0033	8.5	14.0	4.5	5.0	5.0	0.5
1000 VDC/ /250VAC	0.0047	8.5	14.0	4.5	5.0	5.0	0.5
	0.006	8.5	14.5	5.0	5.0	5.0	0.5
	0.00068	6.5	12.0	4.5	4.0	5.0	0.5
Only impregnated							
1000 VDC/ 250 VAC	0.0033	8.5	14.0	4.0	5.0	5.0	0.5
	0.0047	8.5	14.0	4.5	5.0	5.0	0.5
	0.005	8.5	14.5	5.0	5.0	5.0	0.5
	0.006	8.5	15.0	5.0	5.0	5.0	0.5

(Custom dimensions and specifications are available)



**AQL AND INSPECTION LEVEL**

1. Inspection level and AQLs are selected from ISO-2859 / IS 2500 or IEC – 410. Sampling plan is single sampling for normal inspection.
2. Symbols used: IL = Inspection level (ISO-2859/IS-2500/IEC – 410)  
AQL = acceptable quality level

NO	ITEM	PERFORMANCE REQUIREMENTS	TEST METHOD	I.L.	A.Q.C
1	VISUAL INSPECTION Marking  Mechanical Failure	Rated capacitance Rated voltage Tolerance Trade mark Lead wire broken Insufficient coating	Marking should be legible  There shall be no mechanical failure  -do-	Visual inspection  General inspection level II	1.0%
2	DIMENSION	Should confirm to the specification chart	As specified in the data sheet	Gauging	Special inspection level S-1  2.5%
3	ELECTRICAL PROPETIES Voltage Proof  Capacitance Tangent of loss angle Insulation Resistance	Between termination  As per relevant specification Within specified tolerance As per relevant specification As per relevant specification	No break down or flash over of applicant  Measuring frequency 1 kHz Measuring frequency 1 kHz As per method in the specification	Test voltage and duration of level 1  General Inspection	0.1%