



# KRISHNONICS FILM CAPACITOR

## APPLICATION: CDI KITS

### METALIZED POLYESTER FILM CAPACITORS

#### MAIN APPLICATION

Blocking, bypassing, filtering, timing, coupling and decoupling, interference suppression in low voltage applications, low pulse operations

#### VOLTAGE PROOF

Between terminals: 1.6 times of rated voltage for 2 seconds.

#### CONSTRUCTION (POWDER COATED TYPE)

Low inductive cell for metalized polyester film coated with epoxy resin, with tinned steel wire as leads.

#### TANδ (DISSIPATION FACTOR) AT 20° C

Frequency KHz	
At 1	0.1%
At 10	1%

#### CAPACITANCE TOLERANCE

±5%, ± 10%

#### LIFE TEST CONDITIONS

(Loading at elevated temperature)  
Loaded at 1.25 times rated voltage at 85°C for 1000 hours

#### CLIMATIC CATEGORY

40/100/21

After the test

$\Delta c/c$ : ≤ 5% of initial value.

$\text{Tan } \delta \leq 0.003$   $C_R \leq 1 \mu\text{F}$ ;  $\leq 0.002$ ,  $C_R > 1 \mu\text{F}$

#### APPLICABLE SPECIFICATION

IEC 384-2, IEC 68

#### INSULATION RESISTANCE (Terminal to

Body): 1 min w/o flashover at 750 VAC

### Dimensions for Dip Type Capacitors

Rated Voltage	Rated Cap (μfd)	Max.			
		Th mm	H mm	W mm	D mm
<b>27.5 mm Pitch (±1.5)</b>					
400 VDC	1.0	8.0	16.0	31.0	0.8
(250 VAC)	1.5	9.0	17.0	31.0	0.8
	2.2	12.5	21.0	31.0	0.8
	2.5	10.0	21.0	31.0	0.8
	2.7	11.5	20.0	31.0	0.8



**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	Visual inspection  -do-	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 PROPERTIES 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%