

POLYESTER AXIAL CAPACITORS – HIGH VOLTAGE

- Applications:

High Voltage applications; Voltage Multiplier

- Dielectric:

Polyester film(Polyethylene Terephthalate), self-regenerating.

- Plates:

Metal Layer deposited under vacuum

- Winding :

Non-inductive type.

- Leads:

Tinned wire.

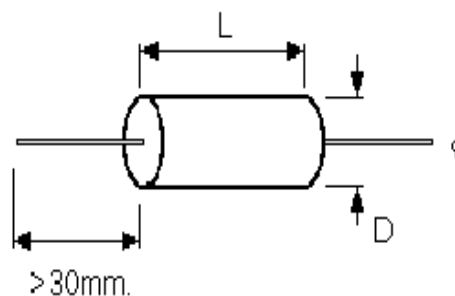
$\phi=0,8 D>7$; $\phi=0,6 D\leq 7$

- Protection:

Polyester wrapping with epoxy resin end fill.

- Technical terms and test:

IEC 384-2 CECC 30400 IEC68



Electrical characteristics:

- Nominal voltage (Vn dc):

630Vdc- 1000Vdc-1600Vdc-2500Vdc-5000Vdc-6300Vdc-
10K Vdc

- Dissipation Factor (Df at 25°C):

1 KHz = $<100 \times 10^{-4}$

10 KHz = $<150 \times 10^{-4}$

- Insulation Resistance (Ri):

Temperature: 25°C

Measured at	Cr $\leq 0,1\mu\text{F}$	Cr $> 1\mu\text{F}$
1KHz	8×10^{-9}	8×10^{-9}
10KHz	15×10^{-9}	15×10^{-9}
100KHz	30×10^{-9}	

- Test Voltage:

(2 seg. at 25°C) $1,6 \times V_n$

Operating Temperature Range:

-55°C to +100°C

Insulation Resistance Test Conditions

At a Temperature of 25°C + 5°C during 1 minute at 100Vdc,

IR > 100GOhm

Voltage	Capacitance	Dimensions max. mm		
		Diameter	Length.	
		D	L	
630Vdc	1 μ F	17,0	35	
220Vac	1,5 μ F	20,0	35	
	2,2 μ F	23,0	35	
1000Vdc	15nF	6,5	22	
250Vac	22 nF	7,5	22	
	33nF	9,0	22	
	47nF	10,0	22	
	47nF	7,0	35	
	68nF	13,0	22	
	68nF	9,0	35	
	0,1 μ F	16,0	22	
	0,1 μ F	10,5	35	
	0,22 μ F	14,0	35	
	0,33 μ F	18,0	35	
1600Vdc	0,47 μ F	22,0	35	
	0,68 μ F	25,0	35	
	6,8nF	6,5	22	
	300Vac	10nF	7,5	22
		15nF	8,5	22
		15nF	6,0	35
		22nF	9,5	22
		22nF	6,5	35
		33nF	11,5	22
		47nF	13,0	22
47nF		9,0	35	
68nF		17,3	22	
68nF		11,5	35	
2500Vac	0,1 μ F	13,5	35	
	0,15 μ F	15,0	35	
	0,22 μ F	19,0	35	
	0,33 μ F	24,0	35	
	0,47 μ F	30,5	35	
	2,2nF	6,0	22	
500Vdc	3,3nF	7,0	22	
	4,7nF	8,0	22	
	6,8nF	9,1	22	
	6,8nF	6,3	35	
	10nF	10,5	22	
	10nF	7,5	35	
	15nF	13,0	22	

Voltage	Capacitance	Dimensions max. mm	
		Diameter	Length
	15nF	8,5	35
	22nF	15,0	22
	22nF	10,5	35
	33nF	12,0	35
	47nF	14,0	35
	68nF	17,0	35
	0,1µF	20,0	35
	0,15µF	24,0	35
5000Vdc	150pF	6,0	22
750Vac	220pF	7,0	22
	330pF	7,5	22
	470pF	9,5	22
	680pF	11,0	22
	1nF	13,5	22
	1nF	6,0	35
	1,5nF	6,5	35
	2,2nF	7,5	35
	3,3nF	9,0	35
	4,7nF	10,5	35
	6,8nF	12,5	35
	10nF	15,0	35
	15nF	18,5	35
	22nF	19,5	35
	33nF	24,5	35
6300Vdc	680pF	7,0	35
1000Vac	1nF	8,0	35
	1,5nF	9,5	35
	2,5nF	11,0	35
	3,3nF	13,0	35
	4,7nF	16,0	35
	6,8nF	18,8	35
	10nF	22,5	35
10KVdc	100pF	6,0	35
1200Vac	220pF	8,0	35
	330pF	9,5	35
	470pF	11,0	35
	680pF	13,0	35
	1nF	15,5	35
	1,5nF	18,5	35
	2,2nF	22,0	35