GENERAL TECHNICAL DATA

Dielectric:
polyester film (polyethylene terephthalate)

Plates:
aluminium layer deposited by evaporation under vacuum.

Winding:
non-inductive type.

Leads:
tinned wire.(minimum lead content 5%)

Protection:
plastic case, epoxy resin filled.
Box made of solvent resistant material.

Marking:capacitance, tolerance, D.C nominal voltage.

Climatic category:

FME DIN 40040
55/100/21 IEC 68-1

Technical terms and tests:

IEC 384-2 CECC 30400 DIN 44110 T1

DIN 45910 T11.

Dissipation factor(DF):

$tg\delta \times 10^{-4}$ at +25°C ± 5°C

kHz	C < 0.1 µF	0.1 µF ≤ C ≤ 1µF
1	≤ 80	≤ 80
10	≤ 150	≤ 150
100	≤ 300	

Insulation resistance:

Test conditions

Temperature: **+25 °C ± 5 °C**

Voltage charge time: **1 minute**

Voltage charge: **50 Vdc for V_n < 100 Vdc**

100 Vdc for V_n > 100 Vdc

For V_n ≤ 100 Vdc

≥ 10^4 MΩ for C ≤ 0.1 µF

≥ 1000 Sec. for C > 0.1 µF

For V_n > 100 Vdc

≥ 3×10^4 MΩ for C ≤ 0.33 µF

≥ 10^4 Sec. for C > 0.33 µF

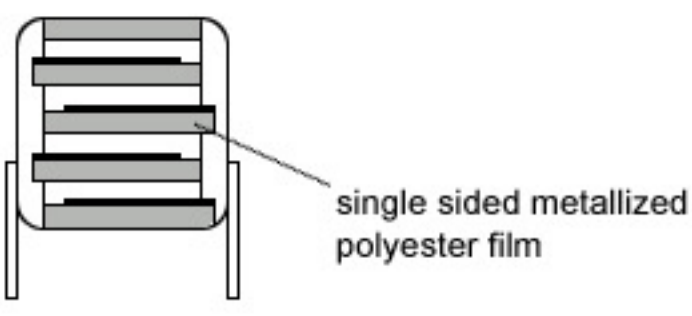
Capacitance values:
values in compliance with IEC 63 Norm.
E6 series.
Capacitance tolerances:
±5% ±10% ±20%

Maximum pluse rise time (dv/dt): **(v/µSec)**

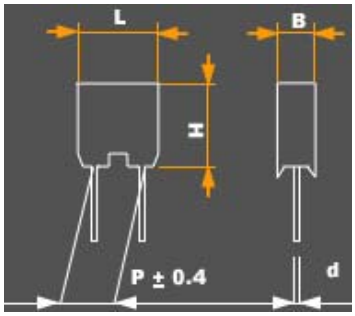
V	P=5	P=7.5	P=10
63	8	5	3
100	15	6	6
250	20	15	11
400	40	30	20
630	50	40	30

If the working voltage (V) is lower than the nominal voltage (V_n) , the capacitore can work at higher dv/dt. In this case the maximum value allowed is obtained mutiplaying the above value (see table dv/dt) with the ratio V_n / V.

Winding scheme



The size of capacitors for lead spacing P=5 mm

"all dimensions are in mm"

Capacity nμ	63 VDC			100 VDC			250 VDC			400 VDC			630 VDC		
	B	H	L	B	H	L	B	H	L	B	H	L	B	H	L
1.0	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2
1.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	.	.	.
1.5	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2
2.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	.	.	.
2.7	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	.	.	.
3.3	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	.	.	.
3.9	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.
4.7	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	.	.	.	.	.	.
5.6	2.5	6.5	7.2	2.5	6.5	7.2	2.5	6.5	7.2	.	.	.	.	.	.
6.8	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
8.2	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
10	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
12	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
15	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
18	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	..	.	.	.	.	.
22	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
27	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
33	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
39	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
47	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
56	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
68	2.5	6.5	7.2	2.5	6.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.
82	2.5	6.5	7.2	2.5	6.5	7.2	5	10	7.2	.	.	.	.	.	.
100	2.5	6.5	7.2	2.5	6.5	7.2	5	10	7.2	.	.	.	.	.	.
150	3.5	7.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.	.	.	.
180	3.5	7.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.	.	.	.
220	3.5	7.5	7.2	3.5	7.5	7.2	.	.	.	.	.	.	.	.	.
330	5	10	7.2	.	.	.	.	.	.	.	.	.	.	.	.
470	5	10	7.2	.	.	.	.	.	.	.	.	.	.	.	.
560	5	10	7.2	.	.	.	.	.	.	.	.	.	.	.	.
1000	.	.	.	.	.	.	.	.	.	..	.	.	.	.	.