WIMA MKB 6

A-05-17-05

Metallized polyester capacitors with axial leads

■ **For stringent requirements.** ■ **In cylindrical metal cases.** ■ **In insulated model.**

Technical Data

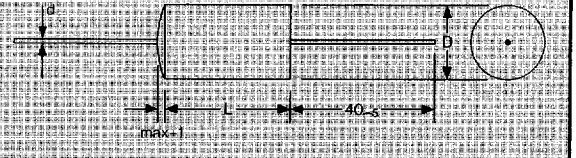
Dielectric: Polyethylene terephthalate film.
Capacitor electrodes: Vacuum-deposited aluminium.
Encapsulation: Aluminium cylindrical case with cast resin sealing insulated.
Temperature range: – 40° C to + 100° C.
Test specifications: In accordance with IEC 384-2 and CECC 30 400.
Test category: 40/100/56 in accordance with IEC.
Insulation resistance at + 20° C:
$C \leqslant 0.33\ \mu F$: $\geqslant 1.5 \times 10^4$ megohms
$C > 0.33\ \mu F$: $\geqslant$ 5000 sec (megohms × µF)
In accordance with IEC 384-2 grade 1 and CECC 30 400.
Measuring voltage:
$V_r =$ 50 V: $V_{test} =$ 10 V/1 min.
$V_r =$ 63 V: $V_{test} =$ 50 V/1 min.
$V_r =$ 100 V: $V_{test} =$ 100 V/1 min.
Dissipation factor at + 20° C: tan δ $\leqslant 8 \times 10^{-3}$ at 1 kHz
Capacitance tolerances: ± 20 %, ± 10 %.
Test voltage: 1.6 Vr, 2 sec.
Vibration: 6 hours at 10 . . . 2000 Hz and 0.75 mm displacement amplitude or 10 g in accordance with IEC 68-2-6 (capacitor to be secured at the body).
Low air density: 1 kPa = 10 mbar in accordance with IEC 68-2-13.
Bump test: 4000 bumps at 390 m/sec² in accordance with IEC 68-2-29 (capacitor to be secured at the body).
Voltage derating: A voltage derating factor of 1.25 % per K must be applied from + 85° C for DC voltages and from + 75° C for AC voltages.

General Data

Capacitance	50 VDC/30 VAC*		63 VDC/40 VAC*		100 VDC/63 VAC*	
	D	L	D	L	D	L
0.1 µF					5.5	16.5
0.15 „					5.5	16.5
0.22 „			5.5	16.5	6.5	16.5
0.33 „			5.5	16.5	7.5	16.5
0.47 „	5.5	16.5	6.5	16.5	7.5	21
0.68 „	6.5	16.5	7.5	16.5	8.5	21
1.0 µF	7.5	16.5	7.5	21	9.5	21
1.5 „	7.5	16.5	8.5	21	9.5	25
2.2 „	7.5	21	9.5	21	11.5	25
3.3 „	8.5	21	9.5	25	11.5	34
4.7 „	9.5	21	10.5	25	12.5	34
6.8 „	10.5	25	10.5	34		
10 µF	11.5	25	12.5	34		

Dimensions "D" include insulating sleeve.
Can be supplied without insulation, dimensions "D" then –0.5

* AC Voltage: f = 50 Hz; 1.4 × Vrms + VDC ⩽ VDC (rated)



d = 0.7 ø if D ⩽ 7.5
d = 0.8 ø if D > 8.5

Dims. in mm