

AC Film Capacitors

B 32 326

Lighting

Construction

- Dielectric: polypropylene film
- Plastic case
- Polyurethane resin
- Internal discharge resistor (on request)

Features

- Self-healing properties
- Low dissipation factor
- High insulation resistance

Typical applications

For general sine wave applications, mainly as series and parallel connection lighting capacitor

Terminals

- Single tag 2,8 mm

Mounting parts

- Metal stud (max. torque = 5 Nm)
- Plastic stud (max. torque = 3 Nm)

Technical data and specifications



Standard	IEC / EN61048 / 61049 (except destruction test)
Rated capacitance C_N	2 .. 45 μ F
Tolerance	\pm 5% , \pm 10%
Rated voltage U_N	250 .. 450 Vac
Rated frequency f_N	50.. 60 Hz
Life expectancy	10 years
Maximum ratings	
Maximum permissible voltage U_{max}	1,1 x U_N (U_N : rated voltage)
Maximum permissible current I_{max}	1,3 x I_N (I_N : rated current)

**Technical data (cont`d)****Test data**

AC test voltage terminal to terminal U_{TT}	$2,0 \times U_N$, 60s
Insulation voltage terminals to case	2000 Vac
Insulation resistance R_{is} or time τ constant at 20 °C Rel. Humidity ≤ 65 °C (minimum value)	3000 s
Dissipation factor $\tan\delta$ at 20 °C	$\leq 1,0 \times 10^{-3}$ (120 Hz)
Maximum rate of voltage rise du/dt_{max}	10 V/ μ s

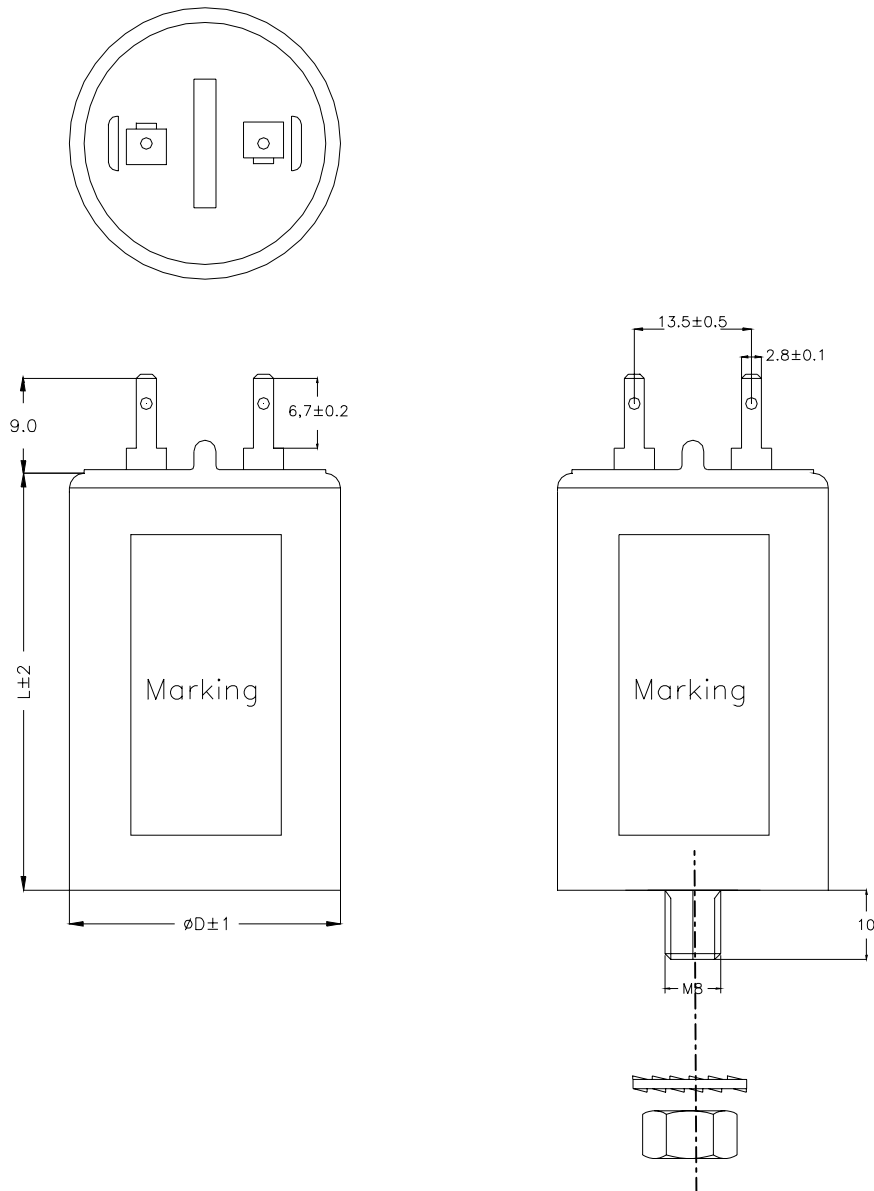
Climatic data

Climatic category	25/085/21 in accordance with IEC 60068-1
Lower category T_{min}	-25 °C
Upper category T_{max}	+85 °C
Damp heat test t_{test}	21 days
Permitted capacitance $\Delta C/C$	≤ 3 %

Note :

- 1) It should be noted that presence of harmonics produces over voltage & over current on capacitors. Resonance may cause serious damage to installation if a significant level of total harmonic distortion level exists for voltage or current. In such cases, series reactors must be considered.
- 2) Operating temperature class: In accordance with the reference standards, these temperatures are those measured on the surface on the capacitor

Dimensional drawings





Ordering codes and packing units

U_N Vac	C_N μF	Max. dimensions $d \times l$ (mm)	Ordering code	Packing unit (pcs.)
250	2	25 x 58	B32326-A1205-+0\$*	112
	2.5	25 x 58	B32326-A1255-+0\$*	112
	3	25 x 58	B32326-A1305-+0\$*	112
	3.25	25 x 58	B32326-A1325-+5\$*	112
	3.5	25 x 58	B32326-A1355-+0\$*	112
	4	25 x 58	B32326-A1405-+0\$*	112
	4.5	25 x 58	B32326-A1455-+0\$*	112
	5	25 x 58	B32326-A1505-+0\$*	112
	5.5	25 x 58	B32326-A1555-+0\$*	112
	6	30 x 62	B32326-A1605-+0\$*	112
	7	30 x 62	B32326-A1705-+0\$*	112
	8	30 x 62	B32326-A1805-+0\$*	112
	9	30 x 62	B32326-A1905-+0\$*	112
	10	35 x 62	B32326-A1106-+0\$*	84
	12	35 x 62	B32326-A1126-+0\$*	84
	13	35 x 62	B32326-A1136-+0\$*	84
	14	35 x 62	B32326-A1146-+0\$*	84
	15	35 x 71	B32326-A1156-+0\$*	84
	16	35 x 71	B32326-A1166-+0\$*	84
	20	35 x 71	B32326-A1206-+0\$*	84
	25	40 x 71	B32326-A1256-+0\$*	45
	30	40 x 98	B32326-A1306-+0\$*	45
	35	40 x 98	B32326-A1356-+0\$*	45
	40	40 x 98	B32326-A1406-+0\$*	45
45	40 x 98	B32326-A1456-+0\$*	45	



Lighting

U_N Vac	C_N μF	Max. dimensions $d \times l$ (mm)	Ordering code	Packing unit (pcs.)
450	2	25 x 58	B32326-A6205-+0\$*	112
	3	25 x 58	B32326-A6305-+0\$*	112
	4	30 x 62	B32326-A6405-+0\$*	112
	5	30 x 62	B32326-A6505-+0\$*	112
	6	35 x 62	B32326-A6605-+0\$*	84
	8	35 x 71	B32326-A6805-+0\$*	84
	10	35 x 71	B32326-A6106-+0\$*	84

Notes for ordering code:

+ Replace for capacitance tolerance

J - $\pm 5\%$

K - $\pm 10\%$

\$ Replace for construction

1 - Plastic case FRPP (UL94 V-1)

3 - Plastic case FRPP (UL94 V-1) and M8 bolt

* Replace for resistor

0 - with resistor

1 - without resistor

For products not mentioned above ordering codes will be allotted by using the last two digits (\$*).

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