

**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 $\mu$ F
Tolerance	$\pm 5\%$ , $\pm 10\%$
Rated voltage $U_N$	250 .. 450 Vac
Rated frequency $f_N$	50.. 60 Hz
Life expectancy	10 years
<b>Maximum ratings</b>	
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 $\tau$ constant at 20 °C	
Rel. Humidity $\leq 65$ °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/ $\mu$ s

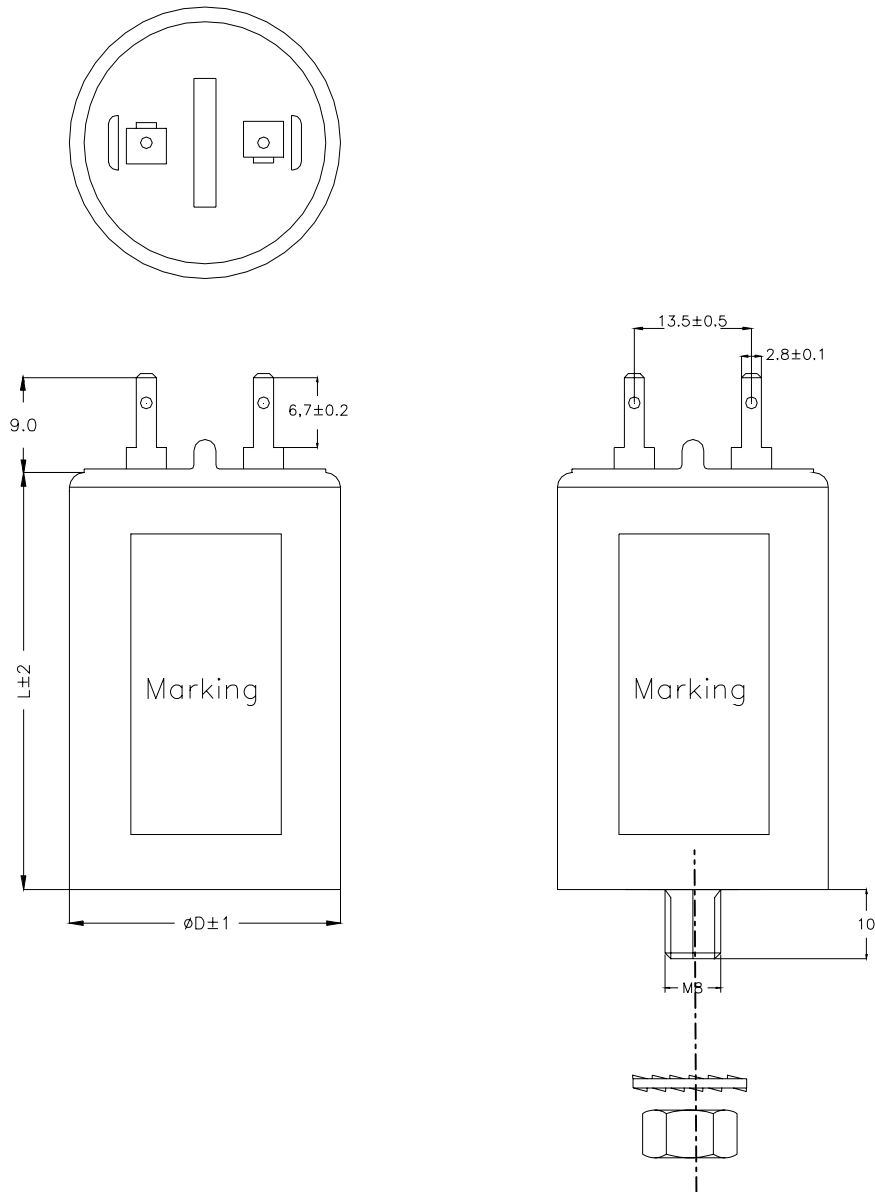
**Climatic data**

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 $\Delta C/C$	$\leq 3$ %

**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	$C_N$ $\mu\text{F}$	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	

$U_N$ Vac	$C_N$ $\mu\text{F}$	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 ( \$\*).

© EPCOS AG 2000. All Rights Reserved. Reproduction, publication and dissemination of this data sheet, enclosures hereto and the information contained therein without EPCOS' prior express consent is prohibited.

The information contained in this data sheet describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.