

**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**

- Flexible wire terminals
- Also available in single strand

**Mounting parts**

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

**Technical data and specifications**

Standard	IEC 61048 / 61049 , EN 61048 / 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 $U_N$ ( $U_N$ : rated voltage)
Maximum permissible current $I_{max}$	1,3 $I_N$ ( $I_N$ : rated current)



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

AC test voltage terminal to terminal $U_{TT}$	1,5 x $U_n$ , 10 s
Insulation voltage terminals to case	2000 Vr.m.s. , 60 s
Insulation resistance $R_{is}$ or time constant $\tau$ at 20 °C	
Rel. Humidity $\leq 65$ °C (minimum value)	3000 s
Dissipation factor $\tan\delta$ at 20 °C	<b>1 x 10<sup>-3</sup> max. (120 Hz)</b>
Maximum rate of voltage rise $du/dt_{max}$	10 V/ $\mu$ s

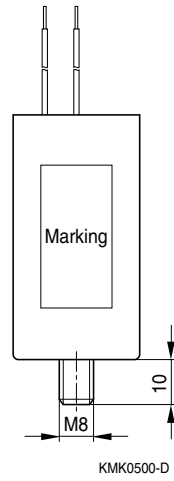
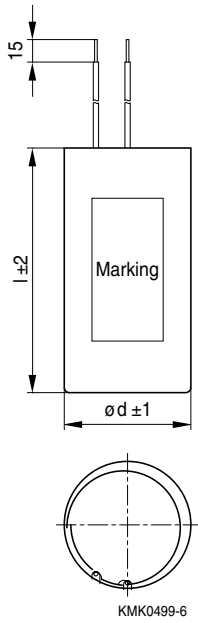
**Climatic data**

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 <sub>N</sub> Vac	C <sub>N</sub> μF	Max. dimensions d x l (mm)	Ordering code	Packing unit (pcs.)
250	2	25 x 58	B32427-A1205-+0\$*	112
	2.5	25 x 58	B32427-A1255-+0\$*	112
	3	25 x 58	B32427-A1305-+0\$*	112
	3.25	25 x 58	B32427-A1325-+5\$*	112
	3.5	25 x 58	B32427-A1355-+0\$*	112
	4	25 x 58	B32427-A1405-+0\$*	112
	4.5	25 x 58	B32427-A1455-+0\$*	112
	5	25 x 58	B32427-A1505-+0\$*	112
	6	30 x 58	B32427-A1605-+0\$*	112
	6.5	30 x 58	B32427-A1655-+0\$*	112
	7	30 x 58	B32427-A1705-+0\$*	112
	8	30 x 58	B32427-A1805-+0\$*	112
	8.4	30 x 58	B32427-A1845-+0\$*	112
	9	30 x 58	B32427-A1905-+0\$*	112
	10	35 x 58	B32427-A1106-+0\$*	84
	12	35 x 58	B32427-A1126-+0\$*	84
	13	35 x 58	B32427-A1136-+0\$*	84
	14	35 x 58	B32427-A1146-+0\$*	84
	15	35 x 70	B32427-A1156-+0\$*	84
	16	35 x 70	B32427-A1166-+0\$*	84
	18	35 x 70	B32427-A1186-+0\$*	84
	20	35 x 70	B32427-A1206-+0\$*	84
	22	35 x 70	B32427-A1226-+0\$*	84
	25	40 x 70	B32427-A1256-+0\$*	45
	30	40 x 94	B32427-A1306-+0\$*	45
	35	40 x 94	B32427-A1356-+0\$*	45
40	40 x 94	B32427-A1406-+0\$*	45	
45	40 x 94	B32427-A1456-+0\$*	45	

**Lighting**

U <sub>N</sub> Vac	C <sub>N</sub> μF	Max. dimensions d x l (mm)	Ordering code	Packing unit (pcs.)
450	2	25 x 58	B32427-A6205-+0\$*	112
	3	25 x 58	B32427-A6305-+0\$*	112
	4	30 x 58	B32427-A6405-+0\$*	112
	5	35 x 58	B32427-A6505-+0\$*	84
	6	35 x 58	B32427-A6605-+0\$*	84
	8	35 x 70	B32427-A6805-+0\$*	84
	10	35 x 70	B32427-A6106-+0\$*	84

**Notes for ordering code:**

+ Replace for capacitance tolerance

J - ± 5%

K - ± 10%

\$ Replace for construction

1 - Plastic case FRPP (UL94 V-1)

3 - Plastic case FRPP and M8 bolt

\* Replace for wire lengths

1 / 2 65mm / 65mm with resistor

3 / 4 100mm / 100mm with resistor

5 / 6 150mm / 150mm with resistor

7 / 8 200mm / 200mm with resistor

9 / 0 250mm / 250mm with resistor

For special products ordering codes will be allotted by using the last two digits ( \$ \*).

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