



**Pulse and Photoflash capacitors**

**Outstanding charge-discharge characteristic**

**High reliability**

**A, SI, LF and G Terminals available**

RoHS compliant  
REACH compliant

#### Features

- All contacts welded
- Charge/discharge proof
- High CV product
- High flash frequencies

#### Applications

- Photoflash
- Warning and safety lamps
- Laser
- Hair removal

**Different case sizes, voltages and capacitance combinations are available on request.**  
**Also in small lots.**

#### General specifications

Items	Characteristics
Rated capacitance range $C_R$	Up to 80000 $\mu\text{F}$ @ 100 Hz
Capacitance tolerance	$\pm 10\%$ ; $-10\%/+30\%$
$U_R$ rated voltage	Up to 500 V
Number of flashes	Depending on application
Category temperature range	$-55^\circ\text{C} \dots +60/+70/+85/+105^\circ\text{C}$
Climatic category IEC 60068	55/105/56
Voltage proof of the external insulation	$\geq 2500$ V AC

## Overview of common photoflash capacitors and pulse capacitors

Photoflash capacitors are specially adapted to the application. Hence, the following overview includes only some examples of possible capacitance / voltage / dimension - combinations. For further information please contact our technical service.

### ***Axial case***

Voltage [V]	Capacitance [ $\mu$ F]	Stored energy [Ws]	$\varnothing$ x L [mm]
250	100	3,1	16 x 39
350	12	0,7	12 x 30
350	22	1,3	12 x 30
350	47	3,0	16 x 39
350	120	7,8	25 x 49
350	220	14	30 x 49
400	27	2,2	16 x 30
500	33	4,1	18 x 39
500	47	5,9	25 x 38
500	55	6,9	30 x 49

### ***Radial case (warning beacon)***

Voltage[V]	Capacitance [ $\mu$ F]	Stored energy [Ws]	$\varnothing$ x L [mm]
350	330	20,0	30 x 55
360	100	6,5	25 x 36
360	220	14,3	30 x 50

### ***Radial case (professional pulse capacitors)***

Voltage [V]	Capacitance [ $\mu$ F]	Stored energy [Ws]	$\varnothing$ x L [mm]
360	1600	103,7	35 x 66
360	2200	142,6	35 x 85
360	3300	214,0	50 x 85
360	3900	252,7	50 x 100
400	1600	128,0	45 x 70
400	3200	256,0	45 x 105
500	100	12,5	35 x 53
500	220	27,5	45 x 42
500	600	75,0	35 x 80
500	950	118,8	50 x 80
500	1600	200,0	50 x 100
500	2400	300,0	50 x 145

### ***Charge Capacitors (SKS/SKP)***

Bipolar charge capacitors are often used as capacitive resistors to charge large photo flash capacitor banks. The bipolar construction is favorable for low thermal losses. Fischer & Tausche Capacitors is offering SKS and SKP types. These capacitors are designed on request.