



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 μ 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°C ... +60/+70/+85/+105 °C
Climatic category IEC 60068	55/105/56
Voltage proof of the external insulation	≥ 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 [μ 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 [μ 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 [μ 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. Leclanché Capacitors is offering SKS and SKP types.

These capacitors are designed on request.