

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

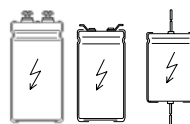
Applications

- 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 μF @ 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. FT_{CAP} is offering SKS and SKP types. These capacitors are designed on request.