

# JOULE CAP



RoHS compliant  
REACH compliant

## FEATURES

- Greatest Capacitance/Voltage product in smallest size package
- Box construction facilitates high density PCB layout
- Low inductance achieved by horizontal layering of capacitor element
- Self-healing PP dielectric

## APPLICATIONS

- Inverters
- Photoflash
- Stroboscopes
- Motor Drivers
- Bulk energy storage for applications with high active currents

## GENERAL SPECIFICATIONS

Items	Characteristics
Capacitance range	2,5 µF ... 50 µF others on request
Rated voltage AC	500 Vdc ... 1500 Vdc
Available tolerance	± 5 % (J) ± 10 % (K)
Rated RMS current	max. 23 Arms
Operating temperature range	-40 °C ... +85 °C
Climatic category DIN IEC 68/1	40/085/21
Terminals	PCB Pins, 2x 1mm or 4x 1mm
Terminal lenght	3,5 - 25mm

Different voltages and capacitance combinations are available on request. Also in small lots.

**ELECTRICAL DATA FOR SERIES JOULE CAP\***

U <sub>N</sub> [VDC]	C <sub>N</sub> [μF]	H [mm]	Max. ESR @10kHz [mOhm]	Max. I <sub>rms</sub> [A] @10kHz/30°C		R <sub>th</sub> [K/W]	Weigth (approx) [g]	Part No. plus (...) = tol. and wire length
				2-Pin	4-Pin			
500	18	38	6	15	23	13	55	JC18μ500d38...
	35	55	4	15	23	10	75	JC35μ500d55...
	50	84	3	-	23	7	110	JC50μ500d84...
600	15	38	7	15	23	13	55	JC15μ600d38...
	30	55	4	15	23	10	75	JC30μ600d55...
	40	84	3,5	-	23	7	110	JC40μ600d84...
750	10	38	8	15	23	13	55	JC10μ750d38...
	20	55	4	15	23	10	75	JC20μ750d55...
	33	84	4	-	23	7	110	JC33μ750d84...
900	6,8	38	9	15	23	13	55	JC6.8μ900d38...
	14	55	5	15	23	10	75	JC14μ900d55...
	22	84	4	-	23	7	110	JC22μ900d84...
1000	5,6	38	10	15	22	13	55	JC5.6μ1000d38...
	10	55	6	15	23	10	75	JC10μ1000d55...
	16	84	5	-	23	7	110	JC16μ1000d84...
1200	4,2	38	11	15	21	13	55	JC4.2μ1200d38...
	7	55	7	15	23	10	75	JC7μ1200d55...
	12	84	5,5	-	23	7	110	JC12μ1200d84...
1500	2,5	38	12	15	18	13	55	JC2.5μ1500d38...
	4,7	55	8	15	23	10	75	JC4.7μ1500d55...
	7,5	84	6	-	23	7	110	JC7.5μ1500d84...

match code: Joule Cap Voltage Tol -Pin -WI Tol: K=10 %; J=5 % -Wire Length: 3,5 mm ... 25mm

\*The indicated current is calculated for 4-pins variants

**EXAMPLE OF DRAWINGS FOR SERIES JOULE CAP**

