



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 elements

Applications

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

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

General specifications

Items	Characteristics
Capacitance range	2,5...50 µF
Rated voltage DC	500...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, or press-fit contacts
Terminal length	3,5 - 25 mm



Electrical data and ordering code for series JC

U _N [VDC]	C _N [μF]	H [mm]	Max. ESR @10kHz [mOhm]	Max. I _{rms} [A] @10kHz/30°C		R _{th} [K/W]	Weight (approx) [g]	Part No. plus (...) = tol. and wire lenght
				2-Pin	4-Pin			
500	18	38	6	15	23	13	55	JC18μ500d38...
	35	55	4	15	23	10	70	JC35μ500d55...
	50	84	3	-	23	7	110	JC50μ500d84...
600	15	38	7	15	23	13	55	JC15μ600d38...
	30	55	4	15	23	10	70	JC30μ600d55...
	40	84	3,5	-	23	7	110	JC40μ600d84...
750	10	38	8	15	23	13	55	JC10μ750d38...
	20	55	4,5	15	23	10	70	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	70	JC14μ900d55...
	22	84	4,5	-	23	7	110	JC22μ900d84...
1000	5,6	38	10	15	22	13	55	JC5.6μ1000d38...
	10	55	6	15	23	10	70	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	70	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	70	JC4.7μ1500d55...
	7,5	84	6	-	23	7	110	JC7.5μ1500d84...

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

Drawings for series JC

