



# Joule Cap

## New innovative range of High-Power Dry Film capacitors

### Features:

- ♦ Greatest Capacitance/Voltage product in smallest size package
- ♦ Box construction facilitates high density PCB layout
- ♦ Very low inductance achieved by horizontal layering of capacitor elements.

### Applications:

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

### Composition:

Non-Polar Metallized Polypropylene foil with welded bonding tabs enabling high currents.  
 Case of UL listed ABS, sealed with PU resin

Standard lead pitch 30mm ±0.4 mm. 1mm diameter tinned copper wire, length 5 ± 1mm.  
 Other lengths on request.

### electrical data

C	U	U <sub>peak</sub>	ESR <sub>typ 25°C</sub>	I <sub>~ 25°C</sub>	I <sub>~ 50°C</sub>	I <sub>~ 75°C</sub>	R <sub>th</sub>	ESL	f <sub>res</sub>	Part No.
[μF]	[VDC]	[VDC]	10kHz [mΩ]	10kHz [A]	10kHz [A]	10kHz [A]	[°/W]	[nH]	[kHz]	
18	500	800	15,0	17,8	15,0	11,2	8	11	358	JC18.00500...
15	600	900	17,3	16,6	14,0	10,4	8	11	392	JC15.00600...
10	750	1050	19,5	15,2	12,7	9,1	8	11	480	JC10.00750...
6,8	900	1200	21,8	14,0	11,5	7,9	8	11	582	JC06.80900...
5,6	1000	1300	24,4	12,8	10,4	6,8	8	11	642	JC05.61000...
4,2	1200	1500	28,2	11,5	9,2	5,6	8	11	741	JC04.21200...
2,5	1500	1800	34,7	10,0	7,8	4,2	8	11	960	JC02.51500...

match code : JC Cap Voltage Tol -Pin -WL Tol: K=10% ; J=5% -Pin: 2=2pol ; 4=4pol -Wire Length: 3,5...25 mm

e.g. JC06.80900J-2-5 ; 6,8μF 900Vdc 5% 2pol 5mm

### dimensional data

