Product features

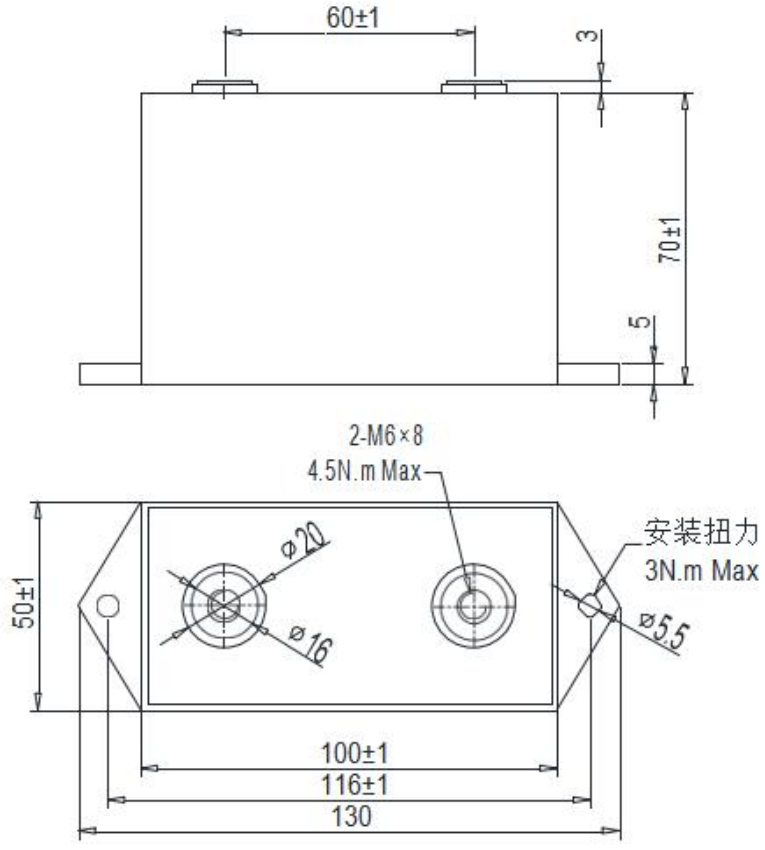
Reference standard: IEC 61071
Media: Metallized polypropylene film
Structure: Dry non inductive structure, polyester tape packaging, resin filling (UL94 V-0)

Electrical characteristics

Operating temperature: -40 + 105 ˚ C
Capacity range: 0.06 to 10 μ F
Rated voltage: 500V to3000VAC
Capacity deviation: ± 5%,± 10%
Loss factor: ≤8 × 10-4 @ 1KHz , 20±5 ˚ C
Life expectancy: 100000 hours @ UN, 70 ˚ C (hot spot temperature)
Withstand voltage between poles: 1.5Un (DC) @ 10s, 20±5 ˚ C
Withstand voltage of polar shell: (1.5un + 1000) VAC, minimum 3000VAC (10s, 50Hz)
Insulation resistance: (IR × Cn) 30000s (no more than 30g Ω), 100VDC (20 ± 5 ˚ C) , 1 minute

Andpplication

High frequency resonance High current isolation



Characteristic parameter

ordering code	CAP. (μF)	IrDMS@45°C 10KHZ(A)	Du/dt (v/μs)	Ipeak (A)	ESR@10KHz (mΩ)
Up-peak 500VAC , UrDMS 250VAC					
DCH-500-10-F	10	100	240	2400	1.9
DCH-500-7.5-F	7.5	100	250	1857	2.3
Up-peak 750VAC , UrDMS 350VAC					
DCH-750-6.8-F	6.8	100	300	2040	2.3
DCH-750-5.0-F	5.0	100	300	1500	2.3
Up-peak 1000Vac , UrDMS 400VAC					
DCH-1000-4.7-F	4.7	100	460	2162	1.9
DCH-1000-3.3-F	3.3	100	470	1551	2.3
DCH-1000-1.5-F	1.5	90	1010	1515	2.3
DCH-1000-1.0-F	1.0	90	1390	1390	2.5
Up-peak 1500VAC , UrDMS 550VAC					
DCH-1500-1.0-F	1.0	80	590	590	4.8
DCH-1500-0.68-F	0.68	75	920	626	5.2
DCH-1500-0.60-F	0.60	75	920	552	5.5
Up-peak 2000VAC , UrDMS 750VAC					
DCH-2000-1.0-F	1.0	70	590	590	4.8
DCH-2000-0.68-F	0.68	70	660	449	5.2
DCH-2000-0.47-F	0.47	60	1230	578	5.5
DCH-2000-0.33-F	0.33	60	1350	446	5.8
Up-peak 3000VAC , UrDMS 1000VAC					
DCH-3000-0.24-F	0.24	50	1960	470	6.2
DCH-3000-0.15-F	0.15	45	2950	443	6.7
DCH-3000-0.12-F	0.12	40	3350	402	7.3
DCH-3000-0.10-F	0.10	40	3350	335	7.5
DCH-3000-0.06-F	0.06	30	4740	284	13.5