



产品特点/Introduction:

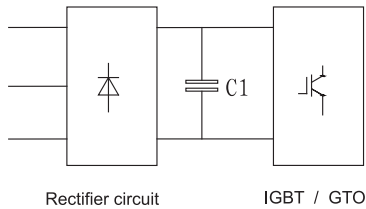
- * 铝圆外壳封装，干式环氧树脂灌注；
 - * 铜螺母/螺杆引出，塑料定位盖绝缘，安装简单方便；
 - * 容量大，体积小；
 - * 耐压高，具有自愈性；
 - * 高纹波电流，高dv/dt承受能力。
- * Aluminum round housing package, Sealed with epoxy resin;
 - * Copper nut / screw leads, insulated plastic cover positioning, easy installation;
 - * Large capacity, small size;
 - * Resistance to high voltage, with self-healing;
 - * High ripple current, high dv / dt withstand capability.



应用/Application:

- * 广泛应用于DC-Link电路中，作滤波储能用；
 - * 能替代电解电容，性能更优，寿命更长；
 - * 风能发电，光伏发电用逆变器；各种变频器；电动汽车及混合动力车；SVG，电焊机，电源，感应加热设备等直流母线滤波场合。
- * Widely used in DC-Link circuit for filtering energy storage;
 - * Can replace electrolytic capacitors, better performance and longer life;
 - * Wind power, photovoltaic power inverter; electric vehicles and hybrid vehicles; SVG, welding equipment , power supplies and induction heating equipment, for the DC link filter.

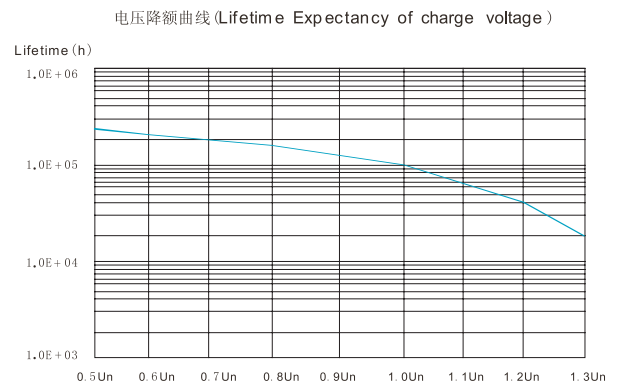
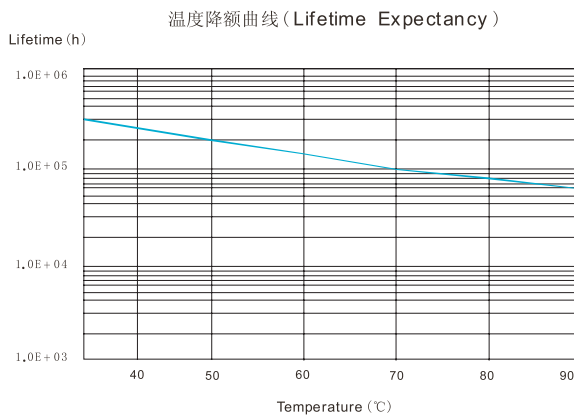
典型线路图/Typical circuit



Rectifier circuit IGBT / GTO

DC Link 电容 (C1)

过电压 Over Voltage	1.1Un(30% of on-load-dur.)	系统调整 System adjustment
	1.15Un(30min/day)	
	1.2Un(5min/day)	系统切换 System Switch
	1.3Un(1min/day)	
1.5Un(100ms every time,1000times during the lifetime)		

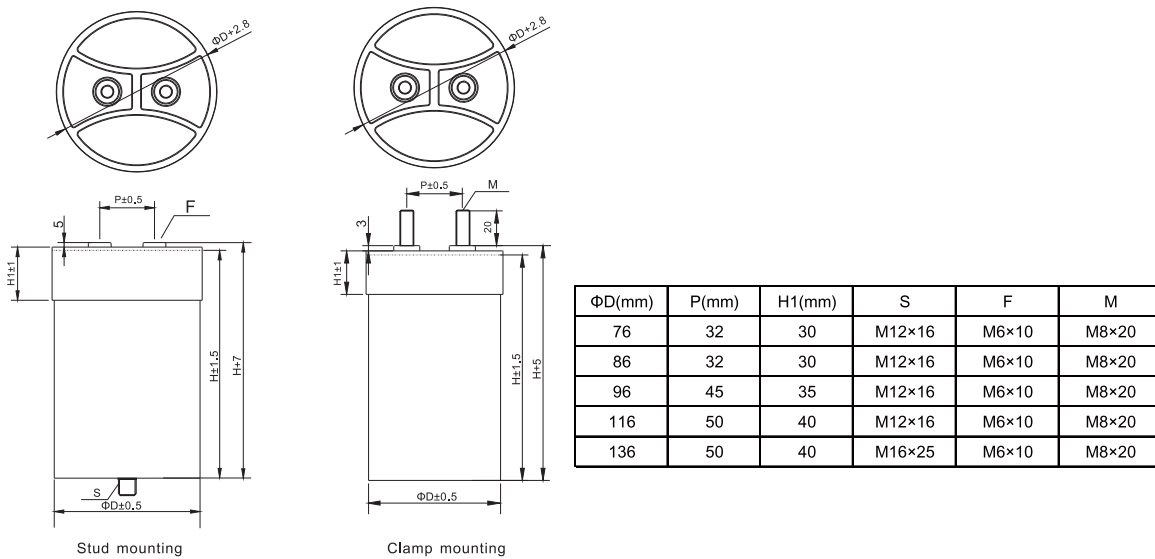




性能参数/Technical data

工作温度范围/Operating temperature range	Max. Operating temperature, Top max: +85°C Upper category temperature: +70°C Lower category temperature: -40°C	
容量范围/capacitance range	100~3000μF	
额定电压 Un/ Rated voltage Un	450V.DC~2000V.DC	
容量偏差/Cap.tol	±5%(J); ±10%(K)	
耐电压/Withstand voltage	Vt-t	1.5Un DC/60S
	Vt-c	1000+2×Un√2 V.AC60S(min3000 V.AC)
损耗角正切/Dissipation factor	tgδ≤0.0025 f=100Hz	
	介质损耗 tgδ ₀ ≤0.0002	
绝缘电阻/Insulation resistance	Rs×C≥10000S (at 20°C 100V.DC 60s)	
耐脉冲电流冲击/Withstand strike current	见附表	
有效电流/Irms	见附表	
阻燃性/Flame retardation	UL94V-0	
最高使用海拔高度/Maximum altitude	3500m	
预期寿命/Life expectancy	100000h(Un;Θhotspot≤70°C)	
引用标准/Reference standard	IEC 61071 ;IEC 61881; IEC 60068	

外形图/Outline drawing



Ordering code:

4270110051□-□□

- — mounting: C for clamp; S for stud mounting
- — lead type: F for therad; M for screw
- — Cap.tol: 1(5%)/2(10%)



Specifications

Cn (μ F)	Part number	ϕ D (mm)	H (mm)	ESL (nH)	dv/dt (V/ μ S)	I _p (KA)	I _s (KA)	I _{rms} (A)	ESR (m Ω)	R _{th} (K/W)	P (mm)	weight (Kg)
Un 450VDC Us 675V Ur100V												
200	20700450512--□□	76	80	40	15	3.0	9.0	50	4	1.5	32	0.5
400	40700450512--□□	76	130	45	15	6.0	18.0	60	2.5	1.7	32	0.75
520	55700450512--□□	86	130	45	15	7.8	23.4	65	2.4	1.5	32	1.1
600	60700450512--□□	76	180	60	12	7.2	21.6	60	1.9	2.2	32	0.95
660	66700450512--□□	96	130	45	15	9.9	29.7	70	1.7	1.8	45	1.2
800	80700450512--□□	86	180	60	10	8.0	24.0	70	2.9	1.1	32	1.45
1000	10800450512--□□	96	180	60	10	10.0	30.0	85	1.8	1.2	45	1.5
2000	20800450512--□□	116	230	80	7	14.0	42.0	100	0.9	1.7	50	3
2800	28800450512--□□	136	230	70	5	14.0	42.0	120	0.9	1.2	50	3.9
Un 700VDC Us 1050V Ur 200V												
400	40700700512--□□	76	130	45	12	4.8	14.4	50	2.8	2.1	32	0.75
420	42700700512--□□	76	125	50	10	4.2	12.6	35	3.2	3.8	32	0.7
510	51700700512--□□	76	145	50	10	5.1	15.3	35	3.5	3.5	32	0.82
520	52700700512--□□	86	130	45	12	6.2	18.7	65	2.7	1.3	32	1.1
600	60700700512--□□	76	180	60	10	6.0	18.0	60	2.2	1.9	32	0.95
650	65700700512--□□	86	155	45	10	6.5	19.5	60	2.5	1.7	32	1.2
660	66700700512--□□	96	130	45	12	7.9	23.8	70	2.1	1.5	45	1.2
800	80700700512--□□	86	180	60	8	6.4	19.2	70	3.2	1.0	32	1.45
1000	10800700512--□□	96	180	60	8	8.0	24.0	75	2.2	1.2	45	1.5
1000	10800700512--□□	116	130	45	8	8.0	24.0	50	1.8	3.3	50	1.6
1450	14800700512--□□	116	180	60	5	7.3	21.8	80	1	2.3	50	2.4
2000	20800700512--□□	136	180	60	3	6.0	18.0	100	0.95	1.6	50	3.1
2800	28800700512--□□	136	230	70	3	8.4	25.2	100	0.8	1.9	50	3.9
Un 900VDC Us 1350V Ur 200V												
330	33700900512--□□	76	125	50	15	5.0	14.9	35	3.2	3.8	32	0.7
450	45700900512--□□	86	130	45	12	5.4	16.2	55	2.7	1.8	32	1.1
510	51700900512--□□	86	155	45	10	5.1	15.3	55	2.5	2.0	32	1.2
680	68700900512--□□	86	180	60	8	5.4	16.3	70	3.2	1.0	32	1.45
750	75700900512--□□	116	130	45	8	6.0	18.0	65	1.8	2.0	50	1.6
1300	13800900512--□□	116	180	60	5	6.5	19.5	80	1	2.3	50	2.4
1650	16800900512--□□	136	180	60	5	8.3	24.8	90	0.95	1.9	50	3.1
2250	22800900512--□□	136	230	70	5	11.3	33.8	100	0.8	1.9	50	3.9
Un 1100VDC Us 1650V Ur 250V												
125	12701100512--□□	76	80	40	15	1.9	5.6	35	4.5	2.7	32	0.5
250	25701100512--□□	76	130	45	15	3.8	11.3	60	2.8	1.5	32	0.75
275	27701100512--□□	76	125	50	12	3.3	9.9	35	3.2	3.8	32	0.7
300	30701100512--□□	76	150	45	15	4.5	13.5	60	3.8	1.1	32	0.85



Specifications

Cn (μ F)	Part number	ϕ D (mm)	H (mm)	ESL (nH)	dv/dt (V/ μ S)	I _p (kA)	I _s (kA)	I _{rms} (A)	ESR (m Ω)	R _{th} (K/W)	P (mm)	weight (Kg)
Un 1100VDC Us 1650V Ur 250V												
320	32701100512--□□	76	145	50	12	3.8	11.5	35	3.6	3.4	32	0.82
330	33701100512--□□	86	130	45	15	5.0	14.9	65	2.8	1.3	32	1.1
350	35701100512--□□	86	125	50	12	4.2	12.6	40	3.1	3.0	32	1.05
420	42701100512--□□	86	136	45	12	5.0	15.1	60	2	2.1	32	0.95
420	42701100512--□□	86	155	45	12	5.0	15.1	75	1.5	1.8	32	1.2
500	50701100512--□□	96	130	45	15	7.5	22.5	70	1.6	1.9	45	1.2
500	50701100512--□□	86	180	60	10	5.0	15.0	70	3.3	0.9	32	1.45
550	55701100512--□□	96	145	50	10	5.5	16.5	50	3.2	1.9	45	1.25
600	60701100512--□□	86	225	80	10	6.0	18.0	65	2.5	1.4	32	1.8
650	65701100512--□□	116	130	45	10	6.5	19.5	50	1.8	3.3	50	1.6
750	75701100512--□□	116	150	45	8	6.0	18.0	55	1.4	3.5	50	1.8
950	95701100512--□□	136	125	60	8	7.6	22.8	50	1.8	3.3	50	2.4
1200	12801100512--□□	116	230	80	8	9.6	28.8	80	1	2.3	50	3
1300	13801100512--□□	136	180	60	5	6.5	19.5	100	0.8	1.9	50	3.1
1700	17801100512--□□	136	230	70	5	8.5	25.5	100	0.9	1.7	50	3.9
Un 1500VDC Us 2250V Ur 300V												
180	18701500512--□□	86	130	45	15	2.7	8.1	55	2.5	2.0	32	1.1
200	20701500512--□□	76	180	60	12	2.4	7.2	55	2.7	1.8	32	0.95
230	23701500512--□□	96	130	45	12	2.8	8.3	65	1.8	2.0	45	1.2
260	26701500512--□□	86	180	60	10	2.6	7.8	60	3.2	1.3	32	1.45
330	33701500512--□□	96	180	60	8	2.6	7.9	70	1	3.1	45	1.5
350	35701500512--□□	116	125	70	8	2.8	8.4	50	0.75	8.0	50	1.55
460	46701500512--□□	116	180	70	7	3.2	9.7	75	0.8	3.3	50	2.4
660	66701500512--□□	136	180	70	6	4.0	11.9	90	0.9	2.1	50	3.1
900	90701500512--□□	136	230	60	6	5.4	16.2	100	0.8	1.9	50	3.9
Un 2000VDC Us 3000V Ur 500V												
80	80602000512--□□	76	130	45	20	1.6	4.8	55	2.8	1.8	32	0.75
100	10702000512--□□	76	145	50	15	1.5	4.5	30	3.6	4.6	32	0.82
105	10702000512--□□	86	130	45	18	1.9	5.7	60	2.8	1.5	32	1.1
120	12702000512--□□	76	180	60	15	1.8	5.4	55	2.4	2.1	32	0.95
130	13702000512--□□	96	130	45	18	2.3	7.0	65	2.2	1.6	45	1.2
160	16702000512--□□	86	180	60	15	2.4	7.2	65	3.5	1.0	32	1.45
170	17702000512--□□	96	145	50	12	2.0	6.1	45	3.3	2.2	45	1.25
200	20702000512--□□	86	225	80	12	2.4	7.2	65	2.5	1.4	32	1.8
205	20702000512--□□	96	180	60	12	2.5	7.4	75	2.4	1.1	45	1.5
380	38702000512--□□	116	230	80	10	3.8	11.4	80	1.3	1.8	50	3
400	40702000512--□□	136	180	60	7	2.8	8.4	100	1	1.5	50	3.1
550	55702000512--□□	136	230	70	7	3.9	11.6	100	0.95	1.6	50	3.9