

UC33 Series  
DC - Link & Filter

UC33 直流链接&滤波电容

### \* 产品简介 (General Description)

介质材料 (Dielectric): 聚丙烯膜&聚酯膜(Polypropylene or Polyester)  
 外壳结构 (Case): 铝外壳 (Aluminum Case with with PVC Tube)  
 引出端头 (Terminals): 螺母&螺栓 ( Female terminals)  
 内部结构 (Technology): 阻燃树脂填充无感干式结构  
 (No-Inductive,Dry Film)

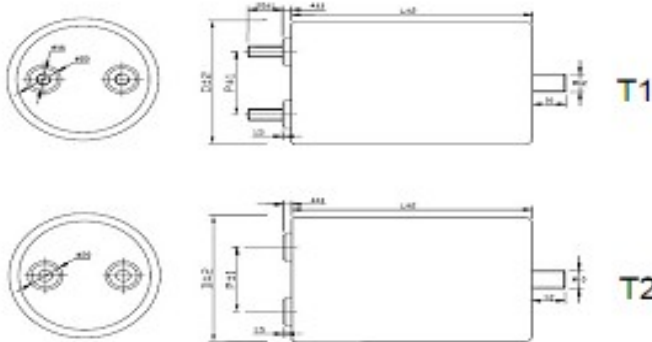
工作温度 (Work Temperature): - 40 ~ + 105°C

产品特性 (Performance): 较低的等效串联电阻 (Low ESR)  
 较低的等效串联电感 (Low ESL)  
 较高的纹波电流承受能力( High IRMS Current)

产品应用 (Application): UPS电源、高压变频器、逆变器、光伏逆变电源  
 中频炉、感应加热设备、激光设备、焊接设备、高频电源等  
 (Converter, Inverter, High Frequency SMPS,Power electroincs,etc..)



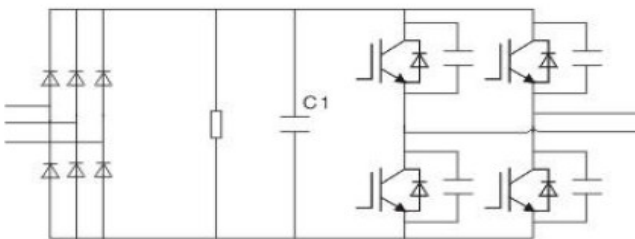
### \* 外形尺寸(Drawing)



最大扭力: 6.5 N.m (M8 螺杆)  
 Max Torque: 6.5 Nm (M8 Male)

最大扭力: 2.5 N.m (M5 螺母)  
 Max Torque: 2.5 Nm (M5 Female)

### \* 应用线路 (Typical circuit)



C1: DC-Link



### \* 电气性能(Electrical Characteristics)

容值范围(Cn,Capacitance range): 50 ~ 3000μF  
 容量偏差(Tolerance): ± 5% (J)、± 10% (K)  
 工作电压(Urms,Rated AC Voltage): 400VDC ~ 3000VDC  
 极间耐电压(UTT): 1.5 \* Un @ 60s , 25°C  
 电极与外壳耐压(UTC): 4KVAC @ 10s , 50Hz

\*\* UTT: Test voltage between terminals

\*\* UTC: Test voltage between terminals with case

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\* 标准产品电气性能表(Standard Electrical Data)

容量 Cap.	产品代码 Part Number	Ipeak (A)	Irms (A)	ESL	ESR	Remark	DIMENSION Unit: mm		
							D	H	d
Un=800V dc									
100	UC33-80P100	2450	50	40	2.4	T1/T2	76	85	M6/M8
200	UC33-80P200	3540	50	40	1.9	T1/T2	88	130	M6/M8
300	UC33-80P300	5400	75	38	1.6	T1/T2	96	130	M6/M8
400	UC33-80P400	3180	45	30	1.8	T1/T2	76	145	M6/M8
500	UC33-80P500	8759	100	30	1.6	T1/T2	116	210	M8
1000	UC33-80P1000	7780	98	30	1.6	T1/T2	96	210	M8
1500	UC33-80P1500	12000	100	28	1.4	T1/T2	116	210	M8
Un=1200V dc									
100	UC33-120P100	2140	70	38	2.6	T1/T2	76	145	M6/M8
250	UC33-120P250	3959	75	35	2.3	T1/T2	88	176	M6/M8
300	UC33-120P300	3750	50	28	3.1	T1/T2	86	145	M8
450	UC33-120P450	4879	75	26	2.5	T1/T2	88	210	M8
650	UC33-120P650	6000	85	26	2.2	T1/T2	96	210	M8
1000	UC33-120P1000	11850	100	22	1.3	T1/T2	116	270	M8
1500	UC33-120P1500	12000	100	22	1.1	T1/T2	116	295	M8
Un=1700V dc									
75	UC33-170P75	2450	45	30	3.6	T1/T2	96	100	M8
100	UC33-170P100	2377	40	28	3.2	T1/T2	96	125	M8
140	UC33-170P140	2665	42	28	2.7	T1/T2	96	145	M8
220	UC33-170P220	2446	35	28	2.5	T1/T2	96	200	M8
Un=2000V dc									
25	UC33-200P25	1170	30	28	3.4	T1/T2	96	100	M8
45	UC33-200P45	1445	35	28	3.1	T1/T2	96	125	M8
60	UC33-200P60	1670	37	28	2.9	T1/T2	96	145	M8
85	UC33-200P85	1750	45	28	2.5	T1/T2	96	145	M8

注：仅举部分产品，可根据客户要求定做！

\* 产品代码定义 (Part Number)

如：UC32-80P500KT2 = 500UF 800V ±10%

