

外形图 Outline Drawing

三相交流滤波电容器
AC-filter Capacitor (Aluminum case)



应用

Applications

- ◆ 功率因数校正 LCL 滤波
- ◆ Power Factor Correction
- ◆ LCL filter
- ◆ 风能发电、太阳能发电用变频器上
- ◆ Used in inverters of wind power and solar power



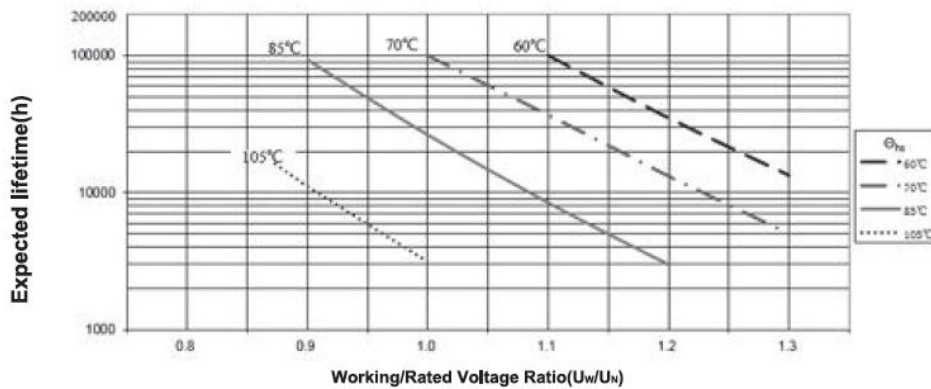
特征

- ◆ 低等效串联电阻，高纹波电流处理能力
- ◆ 低电感
- ◆ 寿命时间长
- ◆ 自愈特性
- ◆ 防爆设计，过压力保护

Features

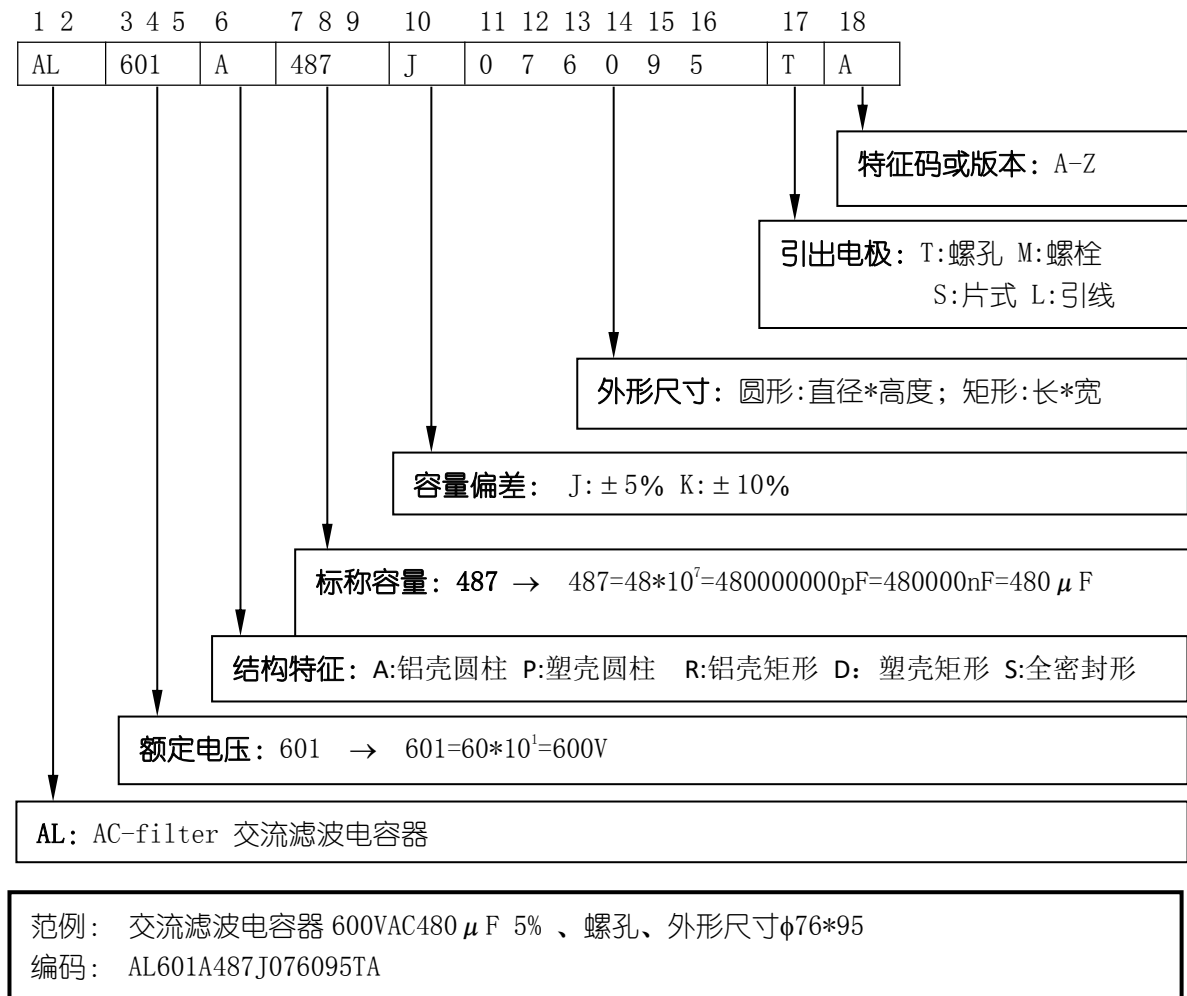
- ◆ Low ESR, high ripple current handling capabilities
- ◆ Low ESL
- ◆ Long Lifetime
- ◆ Self-healing property
- ◆ Anti-explosion design, overpressure tear-off fuse

预期寿命曲线图 Expected lifetime curve



型号代码:
Model type code:

- AL*** A: 铝壳圆形滤波电容器 (Aluminum case)
- AL*** P: 塑壳圆形滤波电容器 (Plastic case)
- AL*** R: 铝壳矩形滤波电容器 (Rectangular Aluminum case)
- AL*** D: 塑壳矩形滤波电容器 (Rectangular Plastic case)
- AL*** S: 全密封形电容器 (Saling Type case)



技术要求 Specifications

引用标准 Reference Standard	GB/T 17702(IEC 61071)	
气候类别 Climatic Category	D≤116mm: 40/85/56 D=136mm: 40/70/56	
工作温度范围 Operating Temperature Range	D≤116mm: -40℃~85℃ ($\theta_{hs} \leq 85^\circ\text{C}$) D=136mm: -40℃~80℃ ($\theta_{hs} \leq 80^\circ\text{C}$)	
储存温度范围 Storage Temperature Range	-40℃~85℃	
额定电压 (Un) Rated Voltage	230Vac~850Vac	
额定容量 (Cn) Reted Capacitance	8~330 μF	
电容量允许偏 Capacitance Tolerance	±5% (J)、±10% (K)	
耐电压(两极之间) Test Voltage Between Terminals	2.15 U_N (10S, 20±5℃)	
耐电压(极壳之间) Test Voltage Between Terminals&Case	2000+2 U_{NAC} , min 3,000Vac (10S, 50Hz, 20℃±5℃)	
介质损耗 $\text{tg } \delta_0$	0.0002	
IR×Cn	≥5,000S (20℃, 100Vdc, 1min)	
过电压 Over Voltage	1.1Urms (8h/day)	
	1.15rms (30min/day)	
	1.2Urms (5 min/day)	
	1.3Urms (200times/lifetime)	
最大使用海拔 Max. Altitude	2,000m	
最大电极扭矩 Max. Torque of terminals	M6:3Nm	M8:4Nm
最大安装扭矩 Max. Torque of Installation	10Nm	
安装 Installation	任意方向 Any Position	
预期寿命 Expected Lifetime	参考预期寿命曲线 Refer to Expected Lifetime curve	
失效率 Failure rate	50FIT	

注：如果使用海拔高度超过 2,000m，应考虑海拔对对流冷却及外绝缘的影响。

The effect of altitude on convection cooling and external insulation should be taken into consideration, if the altitude exceeds 2,000m.



技术参数 Technical data

Urms =230Vac Un=325Vac

Cn (μ F)	D (mm)	D1max (mm)	H (mm)	Rs (m Ω)	Ls (nH)	Rth (K/W)	I _{max} (A)	\hat{I} (kA)	\hat{I}_s (kA)	Part number
3x84	76	79	200	3x1.5	100	4.5	3x34	1.6	4.8	AL231A846J076200**
3x105	76	79	230	3x1.6	120	4.0	3x36	1.5	4.5	AL231A107J076230**
3x160	86	90	230	3x1.2	120	3.5	3x43	2.3	6.9	AL231A167J086230**
3x250	116	121	200	3x0.8	110	3.1	3x53	3.0	9.0	AL231A257J116200**
3x330	116	121	230	3x0.9	130	2.7	3x54	4.8	14.3	AL231A337J116230**

技术参数 Technical data

Urms =440Vac Un=625Vac

Cn (μ F)	D (mm)	D1max (mm)	H (mm)	Rs (m Ω)	Ls (nH)	Rth (K/W)	I _{max} (A)	\hat{I} (kA)	\hat{I}_s (kA)	Part number
3x13	76	79	140	3x1.8	100	6.2	3x22	0.8	2.5	AL441A136J076140**
3x16.5	76	79	140	3x1.5	100	5.6	3x25	1.1	3.2	AL441A166J079140**
3x26.5	76	79	200	3x2.3	100	4.4	3x25	0.8	2.3	AL441A267J076200**
3x33	76	79	200	3x1.9	100	4.0	3x28	1.0	2.9	AL441A336J076200**
3x50	86	90	200	3x1.4	110	3.4	3x34	1.5	4.4	AL441A506J086200**
3x66	86	90	230	3x1.5	120	2.9	3x36	1.4	4.3	AL441A666J086230**
3x83	116	121	200	3x1.1	110	3.1	3x40	2.4	7.2	AL441A836J116200**
3x100	116	121	200	3x1.0	110	2.8	3x43	2.9	8.7	AL441A107J116200**
3x133	136	142	200	3x0.9	120	2.5	3x46	3.9	11.6	AL441A137J136200**
3x154	136	142	200	3x0.8	120	2.3	3x48	4.0	12.0	AL441A157J136200**
3x170	136	142	230	3x0.9	130	2.2	3x45	4.5	13.4	AL441A177J136230**

技术参数 Technical data

Urms =540Vac Un=760Vac

Cn (μ F)	D (mm)	D1max (mm)	H (mm)	Rs (m Ω)	Ls (nH)	Rth (K/W)	I _{max} (A)	\hat{I} (kA)	\hat{I}_s (kA)	Part number
3x19	76	79	170	3x1.0	110	5.1	3x32	1.0	2.9	AL541A196J076170**
3x23	76	90	170	3x1.0	110	5.0	3x33	1.2	3.6	AL541A236J076170**
3x39	86	100	200	3x0.9	110	4.0	3x39	1.4	4.3	AL541A396J086200**
3x48	86	100	230	3x1.0	120	3.6	3x40	1.3	4.0	AL541A486J086230**
3x96	136	142	230	3x0.8	130	2.8	3x47	2.6	7.9	AL541A966J136230**



技术参数 Technical data

Urms =690Vac Un=980Vac										
Cn (μ F)	D (mm)	D1max (mm)	H (mm)	Rs (m Ω)	Ls (nH)	Rth (K/W)	I _{max} (A)	\hat{I} (kA)	\hat{I}_s (kA)	Part number
3x33.5	116	121	170	3x0.8	110	3.5	3x42	1.6	4.9	AL691A336J116170**
3x38	116	121	200	3x0.8	110	3.5	3x40	1.3	3.9	AL691A386J116200**

技术参数 Technical data

Urms =760Vac/850Vac Un=1070Vac/1200Vac										
Cn (μ F)	D (mm)	D1max (mm)	H (mm)	Rs (m Ω)	Ls (nH)	Rth (K/W)	I _{max} (A)	\hat{I} (kA)	\hat{I}_s (kA)	Part number
3x8	76	79	170	3x1.3	110	5.6	3x24	0.6	1.7	AL851A086J076170**
3x10	86	90	170	3x1.1	110	5.2	3x27	0.7	2.0	AL851A106J086170**
3x12	86	90	170	3x1.0	110	4.8	3x29	0.9	2.6	AL851A126J086170**
3x17	106	110	170	3x0.9	110	4.3	3x34	1.1	3.4	AL851A176J106170**
3x23	86	90	230	3x1.1	120	3.4	3x37	0.9	2.7	AL851A236J086230**
3x28	106	110	230	3x1.0	130	3.3	3x38	1.0	3.0	AL851A286J106230**
3x33	106	110	230	3x1.0	130	3.0	3x41	1.2	3.5	AL851A336J106230**
3x38	116	121	230	3x0.9	130	2.9	3x42	1.4	4.1	AL851A386J116230**
3x49	136	142	230	3x0.9	130	2.7	3x43	1.9	5.7	AL851A496J136230**
3x55.8	136	142	230	3x0.8	130	2.5	3x45	2.2	6.5	AL851A556J136230**

可依客户要求定制电容

