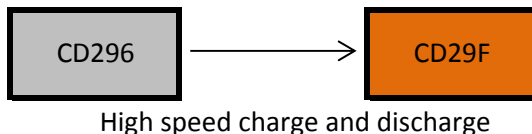


牛角型Snap In Type, CD29F Series

特性Features

- Load life of 3000 hours at 105°C
在105°C环境中，负荷寿命2000小时
- High Ripple Current
105°C标准品
- Suit for high frequency regenerative Voltage for AC servomotor, general inverter.
适用于高频伺服电动机，变频器。



主要技术性能Specification

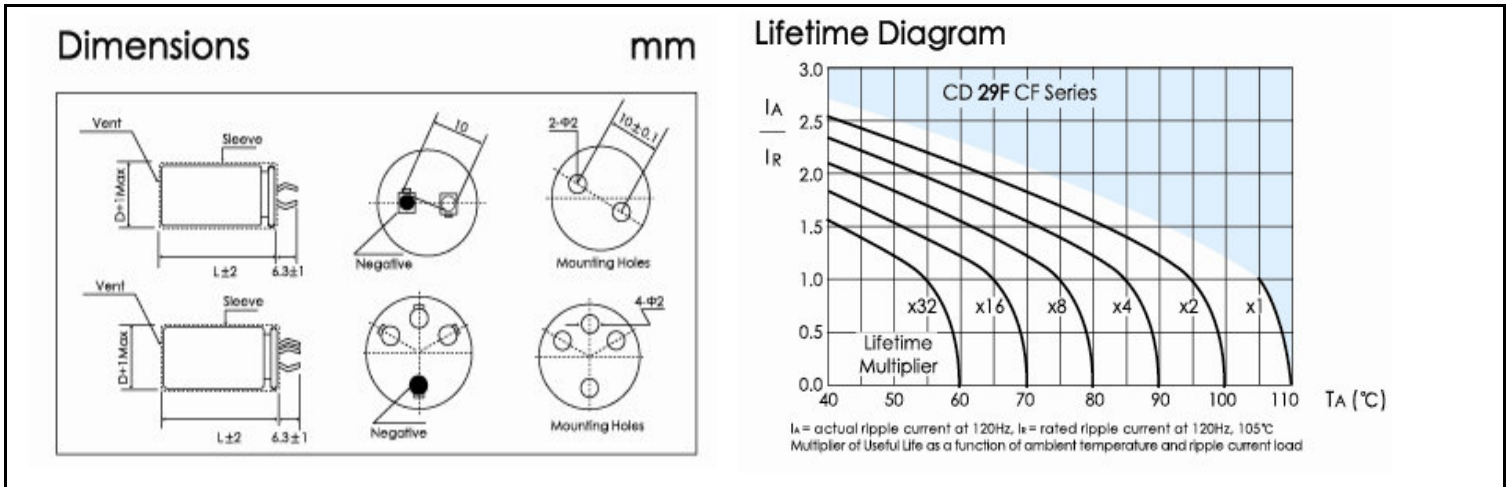
项目 Items	特征 Performance Characteristics								
使用温度范围 Operating Temperature Range(°C)	-25 ~ +105°C								
额定电压范围 Rated Voltage Range(V)	350 ~ 450 VDC								
标称容量范围 Capacitance Range(uF)	120 ~ 820 uF								
标称容量偏差范围 Capacitance Tolerance(20°C,120Hz)	± 20%								
漏电流 Leakage Current (uA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.01CV or 1.5mA, whichever is smaller. C: Normal Capacitance(uF) V: Rated Voltage(V) 在20°C下加额定电压5分钟后，漏电流不大于0.01CV或者1.5mA,取最小值。								
损耗角正切值 Dissipation Factor(20°C, 120Hz) (tanδ)	<table border="1"> <tr> <td>Rated Voltage</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>tanδ (max)</td> <td colspan="3">0.15</td> </tr> </table>	Rated Voltage	350	400	450	tanδ (max)	0.15		
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低温稳定性 (120Hz下阻抗比) Stability at Low Temperature (Impedance Ratio at 120Hz)	<table border="1"> <tr> <td>电压Rated Voltage(V)</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>阻抗比 Impedance Ratio</td> <td>Z-25°C/Z+20°C</td> <td colspan="2">8</td> </tr> </table>	电压Rated Voltage(V)	350	400	450	阻抗比 Impedance Ratio	Z-25°C/Z+20°C	8	
电压Rated Voltage(V)	350	400	450						
阻抗比 Impedance Ratio	Z-25°C/Z+20°C	8							
耐久性 Load Life	+105°C额定电压（叠加规定纹波电流）3000小时试验后常温放置16h 测定 After applying rated voltage with specified ripple current for 2000 hours at 85°C and then resumed 16 hours: 电容量变化：初始值的-20~+20%以内 Capacitance change: within ±20% of the initial value 漏电流：不大于初始规定值 Dissipation Factor: Not more than initial specified value 损耗角正切：不超过规定值的2.0倍Dissipation Factor: Not more than 200% of the specified value								
Charge and Discharge 充放电	<p>After an application of charge and discharge with the voltage waveform shown below, for 50million times(charge and discharge voltage difference ΔV=rated voltage x 0.35, cycle3Hz)at 15~35°C,the capacitor shall meet the following specifications.</p> <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% of initial value</td> </tr> <tr> <td>Tan δ</td> <td>200%or less of initial specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Initial specified value or less</td> </tr> <tr> <td>Appearance</td> <td>There shall be found to no remarkable abnormality on the capacitor</td> </tr> </table>	Capacitance Change	Within ±20% of initial value	Tan δ	200%or less of initial specified value	Leakage Current	Initial specified value or less	Appearance	There shall be found to no remarkable abnormality on the capacitor
Capacitance Change	Within ±20% of initial value								
Tan δ	200%or less of initial specified value								
Leakage Current	Initial specified value or less								
Appearance	There shall be found to no remarkable abnormality on the capacitor								
高温储存 Shelf Life	+105°C, 1000小时贮存后，加额定电压30分钟，恢复16小时后 After storage for 1000 hours at +85°C,rated voltage to be applied for 30 minutes and then resumed for 16 hours 电容量变化：初始值的-20~+20%以内Capacitance change: within ±20% of the initial value 漏电流：不大于初始规定值 Dissipation Factor: Not more than initial specified value 损耗角正切：不超过规定值的2.0倍Dissipation Factor: Not more than 200% of the specified value								

纹波电流修正系数 Multiplier for ripple current

频率系数 Frequency coefficient						
电压 Rated Voltage (V)	频率 Freq (Hz)	50Hz	120Hz	1KHz	10KHz	50KHz
350~450		0.80	1.00	1.30	1.41	1.45

环境温度 Temperature °C	≤+40	+55	+70	+85	+105
修正系数 Coefficient	2.7	2.5	2.1	1.7	1.0

外形图 Dimensions



额定值标准 Rating for CD29F Series

额定值标准 Rating for CD29F Series- Table 1

CD29F	U_R	350V(2V)		400V(2G)		450V(2W)							
Cap(uF)	U_S	400V		450V		500V							
	Code	DxL	(A)	DxL	(A)	DxL	(A)						
120	121					22X35	0.72						
150	151	22X35	0.89	22X35	0.85	22X40	0.79						
		25X30	0.89										
180	181	22X35	0.92	22X40	0.95	22X45	0.88						
		25X30	0.92			25X40	0.88						
220	221	22X40	1.05	22X45	1.05	25X45	1.04						
		25X35	1.05	25X40	1.05	30X40	1.04						
		30X30	1.05										
270	271	22X45	1.10	22X50	1.22	25X50	1.25						
		25X40	1.10	25X45	1.22	30X45	1.25						
		30X30	1.10	30X40	1.22								
330	331	22X50	1.21	25X50	1.45	30X45	1.37						
		25X45	1.21	30X40	1.45								
		30X40	1.21										
390	391	25X50	1.32	30X45	1.55	35X40	1.60						
		30X45	1.32	35X40	1.55								
		35X35	1.32										
470	471	30X45	1.40	30X50	1.75	35X50	1.80						
		35X40	1.40	35X45	1.75	35X45	1.80						
560	561	30X50	1.50	35X45	1.92	35X50	2.00						
		35X45	1.50										
680	681	35X45	1.72	35X50	2.12								
820	821	35X50	1.95										

DxL-尺寸SIZE(φDxLmm) A-额定纹波电流 Rated Ripple Current U_R -额定工作电压 Rated Voltage U_S -浪涌电压 Surge Voltage
可根据客户要求定制产品 Customer Products are available on request

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.