



螺栓型长寿命品 (CD138型)

- 小体积, 高耐压, 容量和纹波电流, 具有稳定和可靠的性能.

Small case size, high rated voltage, capacitance and ripple current, stable and reliable performance, forming complete sets of unclear electric station.

- 适用于工业和电子设备, 如计算机、程控交换机等的滤波和储能中.

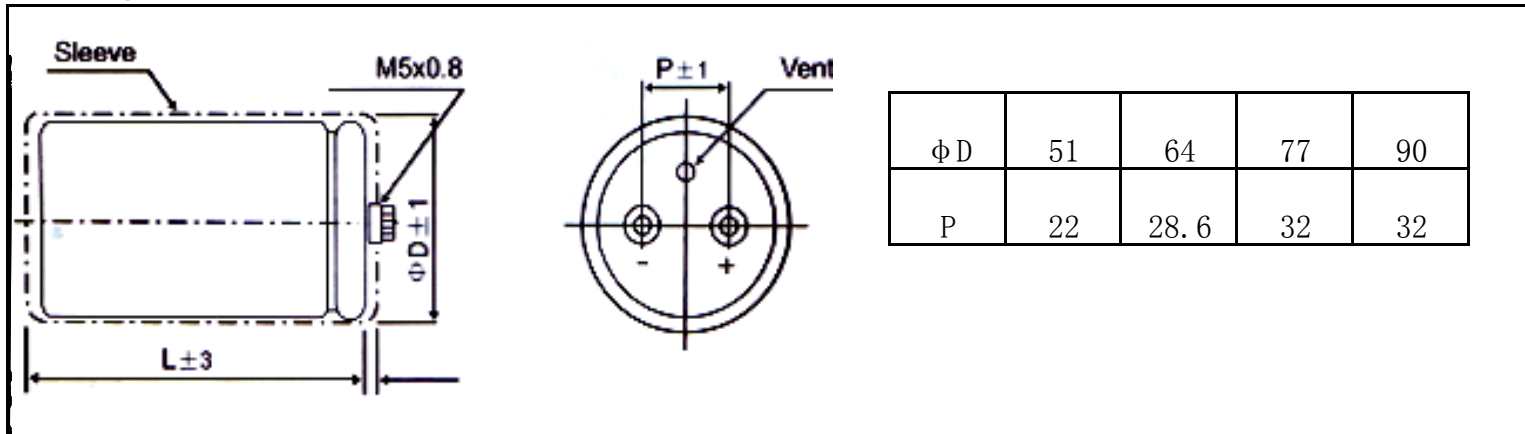
Suit for use in electronic and industrial equipments such as computer, programming control exchanger for power supplies filtering and energy storing.



## Specifications

项目 Items	特性 Characteristics	
工作温度范围 Operating temperature range	-40~+85°C	
额定电压范围 Rated voltage range	350V~450V DC	
静电容量范围 Nominal capacitance toletance	1000 μ F~18000 μ F	
静电容量误差 Capacitance toletance	±20% (120Hz:20°C)	
漏电流 (20°C) leakage current(20°C)	$I \leq 0.02CV$ or 5 A after 5 minute (whichever is greater) I: Leakage current C: Normal capacitance V: Rated voltage	
损耗角正切 Dissipation factor (120Hz • 20°C)	less than 0.15	
高温负荷特性 Endurance	After applying rated for 5000 hours at 85°C then resumed 16 hours:	
	Capacitance change	Within ±20% of the initial measured value
	tgδ	≤200% of the initial specified value
高温贮存特性 Shelf life	After storage for 1000 hours at 85°C then resumed 16 hours:	
	Capacitance change	Within ±20% of the initial measured value
	Leakage current	≤initial specified value

## Diagram of Dimensions(mm)



## Multiplier for Ripple Current vs. Frequency:

Frequency	50	120	300	1K	≥10K
Factor	0.70	1.00	1.10	1.30	1.40

## Multiplier for Ripple Current vs. Temperature

Temperature°C	45	60	70	85
Factor	2.70	2.19	1.68	1.00

### Standard Ratings

Rated Voltage (V.DC)	Surge Voltage (V.DC)	Rated Capacitance ( $\mu$ F)	MAX ESR 20°C 120HZ (M $\Omega$ )	Ripple Current 85°C 120HZ (Arms)	Outline Size	
					Code	$\phi$ D×L(mm)
350	400	1200	215	5.5	C8R	51×83
		1500	172	6.1	C8R	51×83
		1800	143	7.4	C10R	51×96
		2200	117	8.2	C10R	51×96
		2700	96	10.2	C13R	51×130
		3300	78	11.3	C13R	51×130
		3900	66	12.8	D12R	63×115
		4700	55	14.8	D13R	63×130
		5600	46	16.3	E12R	76×115
		6800	38	18.8	E13R	76×130
		8200	31	22.1	E16R	76×155
		10000	26	25.9	F16R	90×157
		12000	22	28.4	F16R	90×157
		15000	17	34.6	F20R	90×196
		18000	14	41.4	F24R	90×236
400	450	1000	215	5.0	C8R	51×83
		1200	179	5.5	C8R	51×83
		1500	143	6.7	C10R	51×96
		1800	119	7.4	C10R	51×96
		2200	98	9.2	C13R	51×130
		2700	80	9.9	D10R	63×96
		3300	65	11.8	D12R	63×115
		3900	55	13.5	D13R	63×130
		4700	46	14.9	E12R	76×115
		5600	39	17.0	E13R	76×130
		6800	32	20.2	E16R	76×155
		8200	26	23.5	F16R	90×157
		10000	22	25.9	F16R	90×157
		12000	18	31.0	F20R	90×196
		15000	14	37.5	F24R	90×236
450	500	1000	215	5.0	C8R	51×83
		1200	179	6.0	C10R	51×96
		1500	143	7.2	C12R	51×115
		1800	119	8.3	C13R	51×130
		2200	98	9.0	D10R	63×96
		2700	80	10.7	D12R	63×115
		3300	65	12.4	D13R	63×130
		3900	55	13.6	E12R	76×115
		4700	46	15.6	E13R	76×130
		5600	38	18.3	E16R	76×155
		6800	32	21.4	F16R	90×157
		8200	26	23.5	F16R	90×157
		1000	22	28.3	F20R	90×196
		12000	18	33.6	F24R	90×236