

ALUMINUM ELECTROLYTIC CAPACITOR

HUASING

CD136 Series Screw Terminal

Features

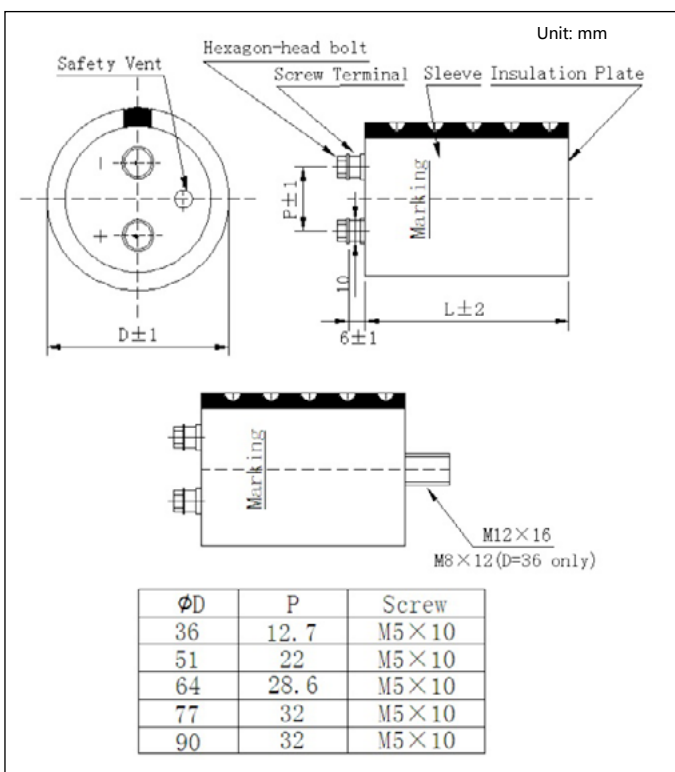
- Load life of 2000 hours at 105°C .
- Size may be selected.
- High ripple current.
- Used for computer, communication power, Hi-ripple circuit of electric vehicle, electric train, general-purpose inverter.



Specifications

Item	Performance Characteristics	
Operating Temperature Range	-40~+105°C	-25~+105°C
Rated Voltage Range	25~100V	160~450V
Nominal Capacitance Range	220~330000µF	
Capacitance Tolerance	±20%	
Leakage Current	0.01CV or 5mA, Whichever is smaller. (after 5 minutes)	
Load Life (105°C)	Time: 2000 hours Capacitance change: Within ±20% of the initial value Leakage current: Not more than the specified value Dissipation factor: Not more than 200% of the specified value	
Shelf Life (105°C)	Time: 1000 hours Capacitance change: Within ±20% of the initial value Leakage current: Not more than the specified value Dissipation factor: Not more than 200% of the specified value After test: U _R to be applied for 60 minutes, 24 to 48 hours before measurement.	

Diagram of Dimensions



Multiplier for Ripple Current

Frequency coefficient

Frequency (Hz)	50	120	300	1K	≥ 10K
Coefficient	0.80	1.00	1.10	1.30	1.40

Temperature coefficient

Temperature (°C)		+40	+55	+70	+85	+105
Coefficient	≤ 250VF	4.9	3.9	3.0	1.8	1.0
	≥ 250VF	3.8	3.3	2.5	2.0	1.0

Standard Size

Rated Voltage (V _{dc})	Surge Voltage (V _{dc})	Rated Capacitance (μF)	Dissipation Factor 20°C ,120HZ	Type ESR 20°C 120HZ (mΩ)	Rated Ripple Current 105°C 120Hz (Arms)	Size ΦD×L (mm)
25 1E	32	10000	0.35	25	2.9	36X53
		15000	0.35	20	4.2	36X83
		22000	0.35	13	5.1	36X83
		33000	0.40	10	6.3	36X100
		47000	0.40	7	8	51X75
		68000	0.50	6	10	51X115
		100000	0.60	5	11.3	64X96
		150000	0.80	4	12.9	64X115
		220000	1.00	3	14.8	77X115
35 1V	44	330000	1.00	2	19.9	90X131
		6800	0.30	32	2.6	36X53
		10000	0.30	25	3.7	36X83
		15000	0.30	17	4.5	36X83
		22000	0.35	12	5.5	36X100
		33000	0.40	8	6.7	51X75
		47000	0.45	6	8.1	51X96
		68000	0.50	5	10	51X155
		100000	0.60	4	12.1	64X115
50 1H	63	150000	0.70	4	13.8	77X115
		220000	0.70	3	17.6	90X131
		3300	0.20	50	2.2	36X53
		4700	0.25	36	3.3	36X53
		6800	0.25	32	3.4	36X83
		10000	0.25	22	4.1	36X83
		15000	0.30	14	4.9	36X100
		22000	0.35	10	5.9	51X75
		33000	0.40	7	7.8	51X115
63 1J	79	47000	0.40	6	9.5	64X96
		68000	0.45	5	11.6	64X115
		100000	0.50	4	14.1	64X120
		150000	0.50	3	18.9	77X115
		2200	0.15	70	2.1	36X53
		3300	0.20	50	2.2	36X53
		4700	0.20	36	3.1	36X83
		6800	0.20	25	3.7	36X83
		10000	0.25	20	4.4	36X100
80 1K	100	15000	0.25	14	5.7	51X75
		22000	0.30	10	6.8	51X96
		33000	0.30	7	9.2	64X96
		47000	0.35	6	10.9	64X115
		68000	0.40	5	13	77X115
		100000	0.40	4	17.2	90X131
		220000	0.50	3	25.6	90X157
		2200	0.15	57	2.1	36X53
		3300	0.15	38	3	36X83
		4700	0.15	27	3.6	36X83
		6800	0.20	19	4	36X100
		10000	0.20	17	5.2	51X75
		15000	0.25	11	6.2	51X96
		22000	0.25	8	8.2	64X96
		33000	0.30	7	9.7	77X96
		47000	0.30	6	12.5	77X115
		68000	0.30	5	16.4	90X131

Standard Size

Rated Voltage (V _{dc})	Surge Voltage (V _{dc})	Rated Capacitance (μF)	Dissipation Factor 20°C ,120HZ	Type ESR 20°C 120HZ (mΩ)	Rated Ripple Current 105°C 120Hz (Arms)	Size ΦD×L (mm)
100 2A	125	1000	0.15	70	1.4	36X53
		1500	0.15	55	1.7	36X53
		2200	0.15	18	2.5	36X83
		3300	0.15	25	3	36X83
		4700	0.15	21	3.9	36X100
		6800	0.15	19	5	51X75
		10000	0.15	13	6.5	51X96
		15000	0.20	9	7.6	64X96
		22000	0.20	7	9.7	77X96
		33000	0.25	6	11.8	77X130
		47000	0.25	5	15	90X131
160 2C	200	470	0.15	265	1	36X53
		680	0.15	186	1.1	36X53
		1000	0.15	125	1.7	36X83
		1500	0.15	85	2	36X83
		2200	0.15	55	2.7	36X100
		3300	0.15	38	3.5	51X83
		4700	0.15	35	4.4	51X96
		6800	0.15	25	5.9	64X96
		10000	0.15	15	7.6	77X96
		15000	0.15	11	10.3	77X130
		22000	0.15	6	13.2	90X131
200 2D	250	330	0.15	375	0.8	36X53
		470	0.15	262	1	36X53
		680	0.15	180	1.1	36X83
		1000	0.15	125	1.7	36X100
		1500	0.15	75	2.2	36X75
		2200	0.15	50	2.8	51X96
		3300	0.15	36	3.7	51X96
		4700	0.15	24	4.9	64X115
		6800	0.15	16	6.3	64X115
		10000	0.15	12	8.1	77X155
		15000	0.15	6	10.9	90X157
250 2E	300	330	0.15	160	0.8	36X53
		470	0.15	120	1	36X53
		680	0.15	85	1.4	36X83
		1000	0.15	55	1.9	36X100
		1500	0.15	40	2.3	51X75
		2200	0.15	28	3.1	51X96
		3300	0.15	20	4.2	64X96
		4700	0.15	15	5.4	64X115
		6800	0.15	10	6.9	77X115
		10000	0.15	8	9.3	77X155
		15000	0.15	6	12.2	90X157

Standard Size

Rated Voltage (V _{dc})	Surge Voltage (V _{dc})	Rated Capacitance (μF)	Dissipation Factor 20°C ,120HZ	Type ESR 20°C 120HZ (mΩ)	Rated Ripple Current 105°C 120Hz (Arms)	Size ΦD×L (mm)
400 2G	450	1000	0.15	82	2.5	51X75
		1200	0.15	70	3	51X96
		1500	0.15	49	3.6	51X115
		1800	0.15	39	4.1	51X130
		2200	0.15	30	4.5	64X96
		2700	0.15	22	5.3	64X115
		3300	0.15	20	6.2	64X130
		3900	0.15	18	7.2	64X155
		3900	0.15	18	6.8	77X115
		4700	0.15	13	8.7	64X195
		4700	0.15	13	7.8	77X130
		5600	0.15	12	9.6	64X195
		5600	0.15	12	9.2	77X155
		6800	0.15	11	10.7	90X157
		8200	0.15	10	11.8	90X157
		10000	0.15	9	14.1	90X196
450 2W	500	220	0.15	415	1.1	36X53
		330	0.15	277	1.5	36X100
		470	0.15	195	2.1	51X83
		680	0.15	135	2.7	51X96
		1000	0.15	90	4.2	51X100
		1500	0.15	54	5.7	51X130
		2200	0.15	33	7.3	64X115
		3300	0.15	22	10.1	77X130
		4700	0.15	15	12.6	77X155
		5600	0.15	11	15.8	77X157
		6800	0.15	11	19.1	90X157
		8200	0.15	11	23.0	90X171
		10000	0.15	11	25.7	90X196
		12000	0.15	11	29.7	90X236
500 2H	550	1000	0.15	85	4.6	51X115
		1500	0.15	60	5.7	64X96
		2200	0.15	41	6.9	64X130
		2700	0.15	36	8.1	77X115
		3300	0.15	32	9.6	77X130
		3900	0.15	30	10.8	77X130
		4700	0.15	27	12.1	77X155
		5600	0.15	21	13.8	90X157
		6800	0.15	18	15.8	90X171
		8200	0.15	14	17.2	77X220
		10000	0.15	10	22.1	90X236

额定纹波电流 Rated ripple current(mA,+105°C ,120Hz)

可根据客户需要定制产品 Customer products are available on request.