

CD13N SERIES



ALUMINUM ELECTROLYTIC CAPACITORS



- Load life of 2000 hours at 85°C
- Medium and high voltage, large capacitance, screw, high ripple current
- Used in storing energy of electric welder and UPS, air conditioners etc.

SPECIFICATIONS

Item	Characteristics	
Operating Temperature Range(°C)	-40~+85	-25~+85
Rated Voltage Range (V)	160~250	350~450
Nominal capacitance range (μF)	220~18000	
Capacitance Tolerance(20°C,120Hz)	±20%	
Leakage current (μA)	I ≤ 0.02CV or 5mA, whichever is smaller . C: Nominal capacitance (μF) V: Rated voltage (V)	
Dissipation Factor(20°C,120Hz)	tanδ ≤ 0.25	
Load Life(+85)	Time	2000hours
	Leakage Current	Not more than the specified value
	Capacitance Change	within ±15% of the initial value
	Dissipation Factor	Not more than 175% of the specified value
Shelf Life(+85°C)	Time	1000hours
	Leakage Current	Not more than the specified value
	Capacitance Change	within ±15% of the initial value
	Dissipation Factor	Not more than 175% of the specified value
After Test : Rated voltage to be applied for 60 minutes,24 to 48 hours before measurement		

DIMENSIONS

MM

Lead spacing and diameter

ΦD	35	50	65	80
F	13	22	28	32

STANDARD RATINGS

WV(V)	160		200		250		350		400		450	
Cap(μF)	ΦDxL(mm)	Ripple (A)	ΦDxL(mm)	Ripple (A)	ΦDxL(mm)	Ripple (A)	ΦDxL(mm)	Ripple (A)	ΦDxL(mm)	Ripple (A)	ΦDxL(mm)	Ripple (A)
220	-	-	-	-	-	-	-	-	-	-	35x60	0.86
330	-	-	-	-	-	-	-	-	35x60	1.9	35x80	1.1
470	-	-	-	-	-	-	35x60	1.5	35x80	2.3	35x100	1.4
680	-	-	35x60	1.7	35x60	1.5	35x80	1.8	35x100	2.5	50x80	1.8
1000	35x60	1.7	35x80	2.3	35x80	1.9	50x80	2.3	50x80	2.8	50x100	2.4
1500	35x80	2.3	35x100	2.9	50x80	2.5	50x100	3.0	50x100	3.1	65x100	3.1
2200	35x100	2.9	50x80	3.8	50x100	3.5	65x100	3.9	65x120	3.8	65x120	4.0
3300	50x80	3.8	50x100	4.8	65x100	4.7	65x120	5.3	65x120	5.1	80x120	5.4
4700	50x100	4.8	65x100	6.3	65x120	5.7	80x120	7.0	80x120	6.7	80x140	6.2
6800	65x100	6.3	65x120	7.8	80x120	7.3	80x140	7.8	80x140	7.5	-	-
10000	65x120	7.8	80x120	10.6	80x140	8.2	-	-	-	-	-	-
15000	80x120	10.6	80x140	11.8	-	-	-	-	-	-	-	-
18000	80x140	11.8	-	-	-	-	-	-	-	-	-	-

- Ripple Current: 85°C,100 or 120Hz.

The specific capacitance and case size are available on request.