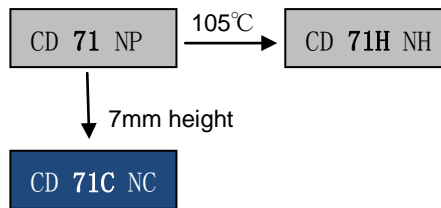


CD 71C NC Series



1000h at 85°C

- Load life of 1000 hours at 85°C
- Bi-polar
- 7mm height, standard products



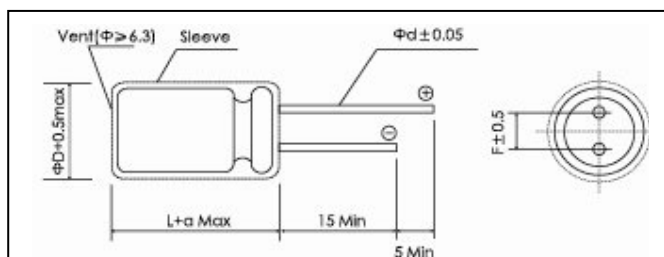
Items	Characteristics						
Operating Temperature Range(°C)	-40 ~ +85						
Capacitance Tolerance (20°C,120Hz)	±20%						
Leakage Current (μA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.03CV+3 C:Nominal Capacitance(μF) V:Rated Voltage(V)						
Dissipation Factor (20°C, 120Hz)	Rated Voltage(V)	6.3	10	16	25	35	50
	Tan δ(max)	0.30	0.25	0.20	0.15		

	Useful Life		Load Life	Endurance Test	Shelf Life
Lifetime	1500h	25000h	1000h	1000h	500h
Leakage Current	Not more than specified value		Not more than specified value	Not more than specified value	Not more than specified value
Capacitance Change	Within ±30% of initial value		Within ± 20% of initial value	Within ±20% of initial value	Within ±20% of initial value
Dissipation Factor	Not more than 300% of specified value		Not more than 200% of specified value	Not more than 200% of specified value	Not more than 200% of specified value
Condition: Applied Voltage Applied Current Applied Temperature	U _R I _R 85°C	U _R 1.2 x I _R 40°C	U _R I _R 85°C	U _R I _R = 0 85°C	After test: U _R to be applied for 30min >24h before measurement

Note: The life test excluding shelf life should be conducted with the polarity inverted every 250hrs.

Dimensions

mm



ΦD	4	5	6.3
F	1.5	2.0	2.5
Φd	0.45		
a	1.0		

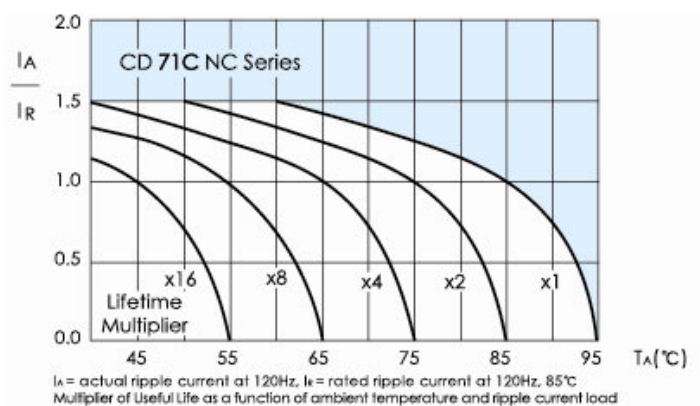
Temperature Coefficient

Temperature(°C)	+70	+85
Coefficient	1.35	1

Frequency Coefficient

Frequency	50-60Hz	120Hz	500Hz	1kHz	10k-100kHz
Coefficient	0.80	1.00	1.20	1.30	1.50

Lifetime Diagram



Ratings for CD 71C NC Series

U_R (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Rated Ripple Current 85°C, 120Hz	Size ΦD×L	P/N
(v)	(μF)	(Ω)	(mArms)	(mm)	-
6.3 (7.2) 0J	22	18	32	5x7	ECR0JNC220M□□050007
	33	12	40	5x7	ECR0JNC330M□□050007
	47	8	56	6.3x7	ECR0JNC470M□□063007
10 (13) 1A	10	33	23	4x7	ECR1ANC100M□□040007
	22	15	35	5x7	ECR1ANC220M□□050007
	33	10	45	6.3x7	ECR1ANC330M□□063007
	47	7	65	6.3x7	ECR1ANC470M□□063007
16 (20) 1C	4.7	56	18	4x7	ECR1CNC4R7M□□040007
	10	27	25	5x7	ECR1CNC100M□□050007
	22	12	45	6.3x7	ECR1CNC220M□□063007
	33	8	60	6.3x7	ECR1CNC330M□□063007
25 (32) 1E	3.3	60	15	4x7	ECR1ENC3R3M□□040007
	4.7	42	18	5x7	ECR1ENC4R7M□□050007
	10	20	35	6.3x7	ECR1ENC100M□□063007
	22	9	50	6.3x7	ECR1ENC220M□□063007
35 (44) 1V	2.2	90	13	4x7	ECR1VNC2R2M□□040007
	3.3	60	19	5x7	ECR1VNC3R3M□□050007
	4.7	42	22	5x7	ECR1VNC4R7M□□050007
	10	20	37	6.3x7	ECR1VNC100M□□063007
50 (63) 1H	0.1	1990	1	4x7	ECR1HNC0R1M□□040007
	0.22	905	2	4x7	ECR1HNCR22M□□040007
	0.33	603	3	4x7	ECR1HNCR33M□□040007
	0.47	424	5	4x7	ECR1HNCR47M□□040007
	1	199	10	4x7	ECR1HNC010M□□040007
	2.2	90	19	5x7	ECR1HNC2R2M□□050007
	3.3	60	26	5x7	ECR1HNC3R3M□□050007
	4.7	42	32	6.3x7	ECR1HNC4R7M□□063007

Customer products are available on request.