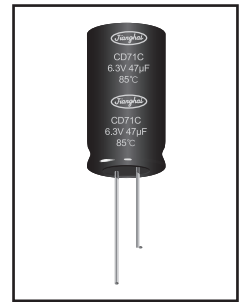
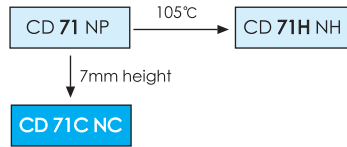


1000h at 85°C

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



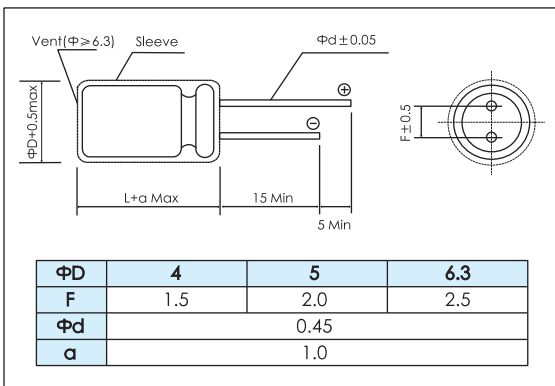
Items	Characteristics														
Operating Temperature Range (°C)	-40 ~ +85														
Capacitance Tolerance (20°C, 120Hz)	± 20%														
Leakage Current (µA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.03CV+3 C: Nominal Capacitance (µF) V: Rated Voltage (V)														
Dissipation Factor (20°C, 120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Tan δ (max)</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td colspan="3">0.15</td> </tr> </tbody> </table>	Rated Voltage (V)	6.3	10	16	25	35	50	Tan δ (max)	0.30	0.25	0.20	0.15		
	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 $1.2 \times I_R$ 40°C	U_R I_R 85°C	U_R $I_R = 0$ 85°C	<table border="1"> <tr> <td>After test: U_R to be applied for 30min >24h before measurement</td> </tr> </table>	After test: U_R to be applied for 30min >24h before measurement
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

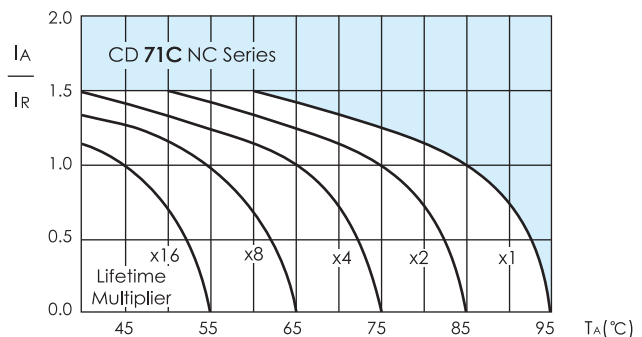
mm



Frequency Coefficient

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

Lifetime Diagram



I_A = actual ripple current at 120Hz, I_R = rated ripple current at 120Hz, 85°C
Multiplier of Useful Life as a function of ambient temperature and ripple current load

Temperature Coefficient

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

Ratings for CD 71C NC Series

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

Customer products are available on request.