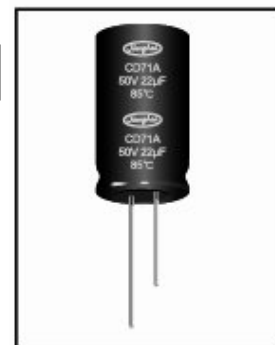
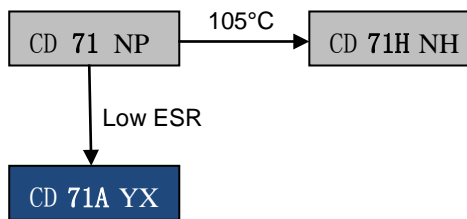


# CD 71A YX Series



1000 h at 85°C

- Load life of 1000 hours at 85°C
- Bi-polar
- Low dissipation factor and excellent frequency characteristics
- For speaker crossover networks, Hi-Fi audio.



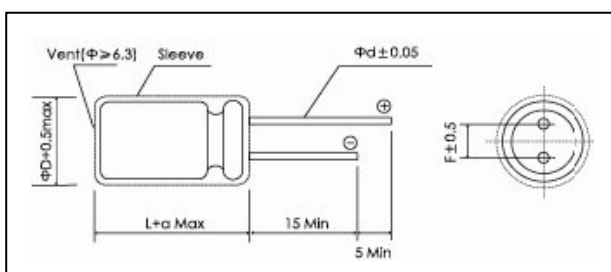
Items	Characteristics									
Operating Temperature Range(°C)	-40~ +85									
Rated Voltage Range(V)	50									
Capacitance Tolerance (20°C,120Hz)	P grade:±15%      D grade:±20%									
Leakage Current (μA)	After 5 minutes at 20°C application of rated voltage, leakage current is not more than 0.03CV+4μA, whichever is greater C:Nominal Capacitance(μF)    V:Rated Voltage(V)									
Dissipation Factor (20°C, 120Hz)	<table border="1"> <thead> <tr> <th>Frequency</th> <th>1kHz</th> <th>10kHz</th> </tr> </thead> <tbody> <tr> <td>P grade</td> <td>0.05</td> <td>0.15</td> </tr> <tr> <td>D grade</td> <td>0.15</td> <td>0.50</td> </tr> </tbody> </table>	Frequency	1kHz	10kHz	P grade	0.05	0.15	D grade	0.15	0.50
	Frequency	1kHz	10kHz							
	P grade	0.05	0.15							
D grade	0.15	0.50								

	Useful Life	Load Life	Endurance Test	Shelf Life
<b>Lifetime</b>	2000h	1000h	1000h	500h
<b>Leakage Current</b>	Not more than specified value	Not more than specified value	Not more than specified value	Not more than specified value
<b>Capacitance Change</b>	Within ±30% of initial value	Within ±20% of initial value	Within ±20% of initial value	Within ±20% of initial value
<b>Dissipation Factor</b>	Not more than 500% of specified value	Not more than 200% of specified value	Not more than 200% of specified value	Not more than 200% of specified value
<b>Condition: Applied Voltage Applied Current Applied Temperature</b>	U <sub>R</sub> I <sub>R</sub> 85°C	U <sub>R</sub> I <sub>R</sub> 85°C	U <sub>R</sub> I <sub>R</sub> = 0 85°C	<div style="border: 1px solid black; padding: 5px;">           After test:            U<sub>R</sub> to be applied            for 30min&gt;24h            before            measurement         </div>

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

## Dimensions

mm



## Lead spacing and diameter

ΦD	6.3	8	10	12.5	16	18
F	2.5	3.5	5.0		7.5	
Φd	0.5	0.6			0.8	
a	1.5		2.0			

T

## Temperature Coefficient

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

## Ratings for CD 71A YX Series

### P GRADE

$U_R$ (Surge Voltage) Code	Capacitance 20°C, 120Hz	Max ESR 20°C, 120Hz	Rated Ripple Current 85°C, 1kHz	Size $\Phi D \times L$	P/N
(v)	( $\mu F$ )	( $\Omega$ )	(mArms)	(mm)	-
<b>50 (63) 1H</b>	1	66.35	60	10×20	ECR1HYX010M□□100020
	1.5	44.23	76	10×20	ECR1HYX1R5M□□100020
	2.2	30.16	96	12.5×20	ECR1HYX2R2M□□125020
	3.3	20.11	144	16×25	ECR1HYX3R3M□□160025
	4.7	14.12	192	16×25	ECR1HYX4R7M□□160025
	6.8	9.76	228	16×31.5	ECR1HYX6R8M□□160031
	10	6.63	264	18×40	ECR1HYX100M□□180040

### D GRADE

$U_R$ (Surge Voltage) Code	Rated Capacitance	Max ESR 20°C, 120Hz	Rated Ripple Current 85°C, 1kHz	Size $\Phi D \times L$	P/N
(v)	( $\mu F$ )	( $\Omega$ )	(mArms)	(mm)	-
<b>50 (63) 1H</b>	1	199.04	27	6.3×11.5	ECR1HYX010M□□063011
	1.5	132.70	30	6.3×11.5	ECR1HYX1R5M□□063011
	2.2	90.47	34	8×11.5	ECR1HYX2R2M□□080011
	3.3	60.32	60	8×11.5	ECR1HYX3R3M□□080011
	4.7	42.35	76	8×11.5	ECR1HYX4R7M□□080011
	6.8	29.27	94	10×12.5	ECR1HYX6R8M□□100012
	10	19.90	112	10×16	ECR1HYX100M□□100016
	15	13.27	138	10×20	ECR1HYX150M□□100020
	22	9.05	234	12.5×20	ECR1HYX220M□□125020
	33	6.03	288	12.5×25	ECR1HYX330M□□125025
	47	4.23	360	16×31.5	ECR1HYX470M□□160031
	68	2.93	450	16×31.5	ECR1HYX680M□□160031
100	1.99	540	16×31.5	ECR1HYX101M□□160031	

Customer products are available on request.