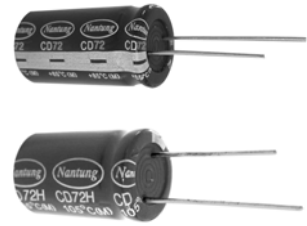


CD72/CD72H SERIES



ALUMINUM ELECTROLYTIC CAPACITORS

- CD72: Load life of 1000 hours at 85°C
- CD72H: Load life of 1000 hours at 105°C
- Bi-polarized, low dissipation factor and excellent frequency Characteristics
- For speaker networks, Hi-Fi audio system



■ SPECIFICATIONS

Item	Characteristics									
Operating Temperature Range(°C)	-40~+85(CD72H: -40~+105)									
Rated Voltage Range (V)	50									
Nominal capacitance range (μF)	1~100									
Capacitance Tolerance(20°C,120Hz)	P grade:±15%; D grade:±20%									
Leakage current (μA)	$I \leq 0.03CV + 4\mu A$ (at 20°C ,after 5 minutes) C: Nominal Capacitance (μF) V: Rated Voltage (V)									
Dissipation Factor(20°C,120Hz)	<table border="1"> <tr> <td>Frequency</td> <td>1KHz</td> <td>10KHz</td> </tr> <tr> <td>P grade</td> <td>0.05</td> <td>0.15</td> </tr> <tr> <td>D grade</td> <td>0.15</td> <td>0.5</td> </tr> </table>	Frequency	1KHz	10KHz	P grade	0.05	0.15	D grade	0.15	0.5
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	P grade	0.05	0.15							
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Load Life(+85°C, CD72H: +105°C)	<table border="1"> <tr> <td>Time</td> <td>1000 hours (with the polarity inverted every 250hours)</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> </table>	Time	1000 hours (with the polarity inverted every 250hours)	Leakage Current	Not more than the specified value.	Capacitance Change	Within ±20% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	
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Shelf Life(+85°C, CD72H: +105°C)	<table border="1"> <tr> <td>Time</td> <td>1000 hours (with the polarity inverted every 250hours)</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> <tr> <td>Capacitance Change</td> <td>Within ±15% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> </table>	Time	1000 hours (with the polarity inverted every 250hours)	Leakage Current	Not more than the specified value.	Capacitance Change	Within ±15% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	
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Dissipation Factor	Not more than 200% of the specified value.									
After test: Rated voltage to be applied for 30 minutes, 24 to 48 hours before measurement.										

■ DIMENSIONS

MM

Lead spacing and diameter

ΦD	±0.5		±1.0			
	6.3	8	10	12.5	16	18
Φd±0.1	0.5		0.6		0.8	
F±0.5	2.5	3.5	5.0		7.5	
a	L≤16:1.5 L≥20:2					

■ STANDARD RATINGS

P grade

WV	50	
	Size	Ripple
C (μF)	ΦDxL(mm)	(mA)
1	10x20	60
1.5	10x20	76
2.2	12.5x20	96
3.3	16x25	144
4.7	16x25	192
6.8	16x31.5	228
10	18x40	264

D grade

WV	50	
	Size	Ripple
C (μF)	ΦDxL(mm)	(mA)
1	6.3x11	27
1.5	6.3x11	30
2.2	8x11.5	34
3.3	8x11.5	60
4.7	8x11.5	76
6.8	10x12.5	94
10	10x16	112
15	10x20	138
22	12.5x20	234
33	12.5x25	288
47	16x31.5	360
68	16x31.5	450
100	16x31.5	540

■ Ripple Current: 85°C, 1KHz.

The specific capacitance and case size are available on request.