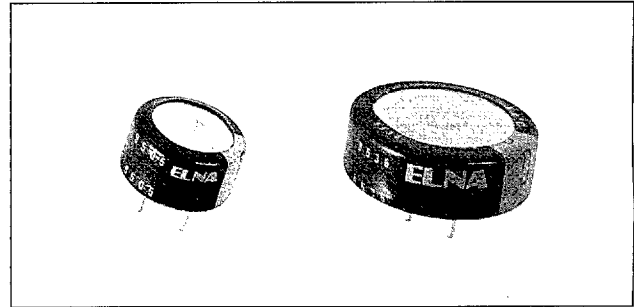


**DYNACAP – Double Layer Capacitor**

**DB Series**

Has a total withstand voltage rating of 5.5V. Utilizing ELNA's unique flat spring technology, which enhances the reliability of the internal coin cells, this series is ideal for a wide range of applications from consumer appliances to sophisticated instrumentation.



**Construction and Dimensions**

CAP (F)	∅D x L (mm)
0.047 0.1 0.22 0.33	13.5 x 7.5
0.47 1.0	21.5 x 8.0

Unit: mm

Only Available in L Shape Terminal Lead

Specifications	Performance														
Temperature range (°C)	-25 to +70														
Capacitance tolerance (%)	-20 to +80														
Internal resistance	<table border="1" style="width: 100%; text-align: center;"> <tr> <td>Capacitance (F)</td> <td>0.047</td> <td>0.1</td> <td>0.22</td> <td>0.33</td> <td>0.47</td> <td>1.0</td> </tr> <tr> <td>Internal resistance (Ω)</td> <td>120</td> <td>75</td> <td>75</td> <td>75</td> <td>30</td> <td>30</td> </tr> </table>	Capacitance (F)	0.047	0.1	0.22	0.33	0.47	1.0	Internal resistance (Ω)	120	75	75	75	30	30
	Capacitance (F)	0.047	0.1	0.22	0.33	0.47	1.0								
Internal resistance (Ω)	120	75	75	75	30	30									
Stability at low & high temperature	<table border="1" style="width: 100%;"> <tr> <td>Change in capacitance</td> <td style="text-align: center;">Within ±30% of value at 20°C</td> </tr> <tr> <td>Internal resistance</td> <td style="text-align: center;">Less than five times of the value at 20°C</td> </tr> </table>	Change in capacitance	Within ±30% of value at 20°C	Internal resistance	Less than five times of the value at 20°C										
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Endurance (70°C)	<table border="1" style="width: 100%;"> <tr> <td>Test time</td> <td style="text-align: center;">1000 hrs</td> </tr> <tr> <td>Change in capacitance</td> <td style="text-align: center;">Within ±30% of the initial measured value</td> </tr> <tr> <td>Internal resistance</td> <td style="text-align: center;">Within four times the initial specified value</td> </tr> </table>	Test time	1000 hrs	Change in capacitance	Within ±30% of the initial measured value	Internal resistance	Within four times the initial specified value								
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Internal resistance	Within four times the initial specified value														
Max. storage temp. (70°C)	Test time 1000hrs. Same as Endurance														

**Standard Ratings**

ELNA Part No.	Rated Volt (V)	Capacitance (F)	Internal Resistance (Ω)
DB-5R5D473	5.5	0.047	≤120
DB-5R5D104	5.5	0.1	≤75
DB-5R5D224	5.5	0.22	≤75
DB-5R5D334	5.5	0.33	≤75
DB-5R5D474	5.5	0.47	≤30
DB-5R5D105	5.5	1.0	≤30

Dyncap

**DB**