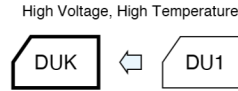


High Power, For Low Temperature and High Voltage Tolerance Type Capacitors

GREEN CAP	65°C / 85°C	3.0V / 2.5V	For -40°C
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- For Low Temperature (-40°C), High voltage tolerant (3.0V guaranteed).
- Environmentally Friendly ; without environmentally hazardous substances such as Cd or Pb.
- Unlike batteries, excellent charge and discharge characteristics with no chemical reaction.



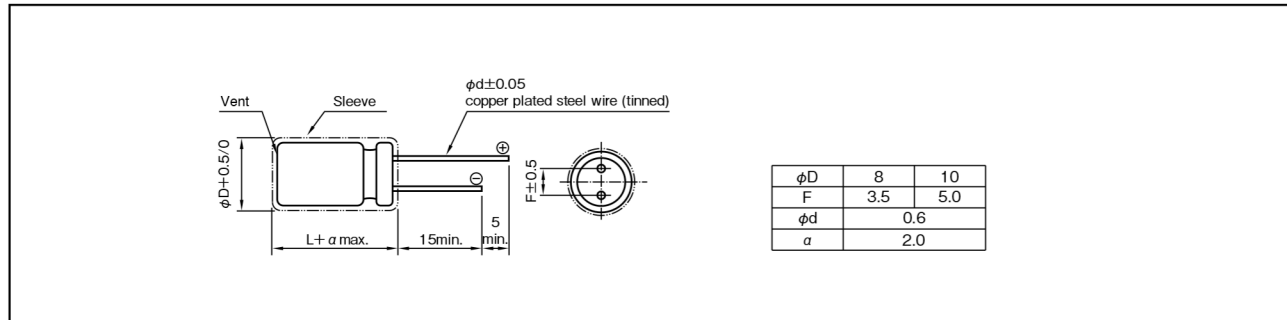
Marking color : White print on a brown sleeve

Specifications

Item	Performance																					
Category temperature range (°C)	-40 to +65																					
Expansion category temperature range (°C)	-40 to +85 (Applied voltage: 2.5 V or less)																					
Tolerance at rated capacitance (%)	-20 to +20																					
Internal resistance	Refer to the Standard Ratings																					
Characteristics at high and low temperature	Percentage of capacitance change	Within ±30% of the value at 20°C																				
	Internal resistance	Three times or less of the value at 20°C																				
Endurance	<table border="1"> <tr><td>Test temperature</td><td>65°C</td></tr> <tr><td>Test voltage</td><td>3.0V</td></tr> <tr><td>Test time</td><td>1000 hours</td></tr> <tr><td>Percentage of capacitance change</td><td>Within ±30% of the initial measured value</td></tr> <tr><td>Internal resistance</td><td>Three times or less of the initial specified value</td></tr> </table>	Test temperature	65°C	Test voltage	3.0V	Test time	1000 hours	Percentage of capacitance change	Within ±30% of the initial measured value	Internal resistance	Three times or less of the initial specified value	<table border="1"> <tr><td>Test temperature</td><td>85°C</td></tr> <tr><td>Test voltage</td><td>2.5V</td></tr> <tr><td>Test time</td><td>1000 hours</td></tr> <tr><td>Percentage of capacitance change</td><td>Within ±30% of the initial measured value</td></tr> <tr><td>Internal resistance</td><td>Three times or less of the initial specified value</td></tr> </table>	Test temperature	85°C	Test voltage	2.5V	Test time	1000 hours	Percentage of capacitance change	Within ±30% of the initial measured value	Internal resistance	Three times or less of the initial specified value
	Test temperature	65°C																				
Test voltage	3.0V																					
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Test temperature	85°C																					
Test voltage	2.5V																					
Test time	1000 hours																					
Percentage of capacitance change	Within ±30% of the initial measured value																					
Internal resistance	Three times or less of the initial specified value																					
Shelf life (85°C)	Test time : 1000hours ; same as endurance.																					
Applicable standards	Conforms to JIS C5160 - 1 (IEC 62391 - 1)																					

Outline Drawing

Unit : mm



Product code system : 3.0V10F (*For general product)

RS*	DUK	106	3R0	F30		T
Category code	Series code	capacitance code	Voltage code	Size code	Lead-forming and packing code	Additional code

Product code is refer to following table and "Product Code System" pages.

Standard Ratings

Max. operating voltage (V)	Rated capacitance (F)	Max. Leakage Current (mA) after 24h	ELNA Parts No.	φ D × L (mm)	Internal resistance (mΩ max.) at 1kHz	Internal DC resistance (mΩ Max.)
3	1	0.2	RSDUK1053R0E12 □□□ T	8 × 12	300	1500
3	3.3	0.3	RSDUK3353R0E20 □□□ T	8 × 20	90	500
3	6.8	0.5	RSDUK6853R0F20 □□□ T	10 × 20	70	250
3	10	0.6	RSDUK1063R0F30 □□□ T	10 × 30	55	150
3	15	0.8	RSDUK1563R0F40 □□□ T	10 × 40	40	120

We tailor packaged product in series and parallel arrangements according to voltage and capacitance as required.

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.