

Development of Radial type Electric Double Layer Capacitors “DUK series”
(High Withstand Voltage, Low Internal Resistance and Wide Temperature Range)

ELNA is expanding and developing the new products focused on the Automotive, Industrial Machinery, Environment and Energy market which is expected to grow.

Based on this policy, ELNA developed and started a sample shipment on the new Radial type Electric Double Layer Capacitors “DUK series” with the high withstand voltage, low internal resistance and wide category temperature range.

DUK series is considered to be used in the field which requires the above features such as the drive recorder and emergency door latch system in the Automotive applications and also the smart meter which requires the wide temperature range with the long term use.

Mass production is scheduled to start from August, 2018 (Location: TANIN ELNA CO., LTD.)

【Features:】

High withstand voltage, low internal resistance and wide category temperature range

Excellent in withstand voltage performance and a higher withstand voltage from the previous DU series was realized by using the electrolyte excellent, in particular, in low resistance and low temperature characteristic.

High withstand voltage: (Previous) DU series: 65°C 2.7V 1000h or 85°C 2.3V 1000h

(Developed) DUK series: 65°C 3.0V 1000h or 85°C 2.5V 1000h

Wide category temperature range; -40 to +65°C (+85°C)

Size (mm)	φ8×12L to φ10×30L
Max. operating voltage	3.0V (65°C) 2.5V (85°C)
Rated capacitance	1 to 10F
ESR	300 to 55mΩ
Category temperature range	-40 to 65°C (3.0V) -40 to 85°C (2.5V)
Guarantee	65°C 3.0V 1000h 85°C 2.5V 1000h



[Data Sheet : DUK series](#)