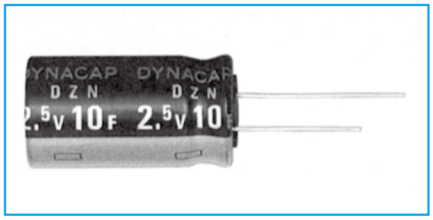
DZN/GZN ELECTRIC DOUBLE LAYER CAPACITORS "DYNACAP"

ELNA

High Power Type Capacitors

GREEN CAP | 70°C | Low ESR | 2.5V / 2.7V

- Low internal resistance allows boosting charge and heavy-current discharge. (ampere level)
- 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 blue sleeve

Snap in φ25 or more / High power

GZN ⇦ DZN ⇦ DZ1

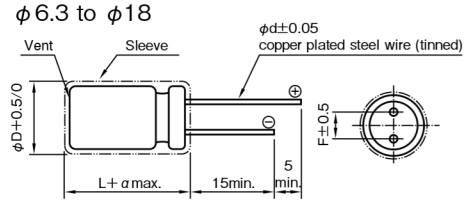
Specifications

Item	Performance
Category temperature range (℃)	−25 to +70
Tolerance at rated capacitance (%)	−20 to +80
Internal resistance	Refer to the following page
Characteristics at high and low temperature	Percentage of capacitance change: Within ±30% of the value at 20℃ Internal resistance: Five times or less of the value at 20℃
Endurance (70℃)	Test time: 1000 hours Percentage of capacitance change: Within ±30% of the initial measured value Internal resistance: Four times or less of the initial specified value
Shelf life (70℃)	Test time : 1000 hours ; Same as endurance.
Applicable standards	Conforms to JIS C5160 - 1 (IEC 62391 - 1)

Outline Drawing

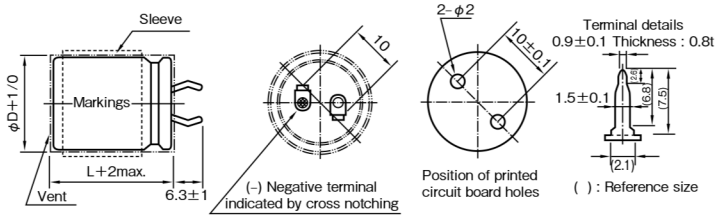
Unit : mm

φ6.3 to φ18



φD	6.3	8	10	12.5	16	18
F	2.5	3.5	5.0		7.5	
φd	0.6				0.8	
α	2.0					

φ25, 35



Product code system (*For general product)

φ18 or less (2.5V10F)

RS*	DZN	106	2R5	☐	☐	(S)T
Category code	Series code	capacitance code	Voltage code	Size code	Lead-forming and packing code	Additional code

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

Product code system (*For general product)

φ25 or more (2.5V100F)

RS*	GZN	107	2R5	N50	☐	T
Category code	Series code	capacitance code	Voltage code	Size code	Lead-forming and packing code	Additional code

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.

Standard Ratings (2.5V)

Max. operating voltage (V)	Rated capacitance (F)	Max. Leakage Current (mA) after 24h	ELNA Parts No.	φD × L (mm)	Internal resistance (Ω max.) at 1kHz	Internal DC resistance (mΩ Max.)
2.5	1	0.1	RSDZN1052R5D14 □□□ T	6.3 × 14	0.4	1500
2.5	1	0.1	RSDZN1052R5E12 □□□ T	8 × 12	0.3	1000
2.5	2.7	0.2	RSDZN2752R5E20 □□□ ST	8 × 20	0.3	500
2.5	3.3	0.2	RSDZN3352R5F20 □□□ T	10 × 20	0.1	400
2.5	4.7	0.3	RSDZN4752R5F20 □□□ T	10 × 20	0.1	400
2.5	5.6	0.3	RSDZN5652R5F20 □□□ T	10 × 20	0.1	350
2.5	6.8	0.4	RSDZN6852R5F25 □□□ T	10 × 25	0.1	300
2.5	10	0.5	RSDZN1062R5F35 □□□ T	10 × 35	0.1	200
2.5	10	0.5	RSDZN1062R5G25 □□□ ST	12.5 × 25	0.1	200
2.5	15	0.7	RSDZN1562R5G35 □□□ ST	12.5 × 35	0.1	150
2.5	15	0.7	RSDZN1562R5J20 □□□ T	16 × 20	0.1	150
2.5	22	0.8	RSDZN2262R5J25 □□□ T	16 × 25	0.1	120
2.5	33	0.8	RSDZN3362R5J35 □□□ T	16 × 35.5	0.1	100
2.5	40	0.8	RSDZN4062R5K40 □□□ T	18 × 40	0.1	75
2.5	50	1.0	RSGZN5062R5N40 □□□ T	25 × 40	0.03	60
2.5	100	1.0	RSGZN1072R5N50 □□□ T	25 × 50	0.03	50
2.5	200	2.0	RSGZN2072R5Q50 □□□ T	35 × 50	0.03	40

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

Standard Ratings (2.7V)

Max. operating voltage (V)	Rated capacitance (F)	Max. Leakage Current (mA) after 24h	ELNA Parts No.	φD × L (mm)	Internal resistance (Ω max.) at 1kHz	Internal DC resistance (mΩ Max.)
2.7	1	0.2	RSDZN1052R7D14 □□□ T	6.3 × 14	0.4	1500
2.7	1	0.2	RSDZN1052R7E12 □□□ T	8 × 12	0.3	1000
2.7	2.7	0.3	RSDZN2752R7E20 □□□ ST	8 × 20	0.3	500
2.7	3.3	0.3	RSDZN3352R7F20 □□□ T	10 × 20	0.2	470
2.7	4.7	0.4	RSDZN4752R7F20 □□□ T	10 × 20	0.1	400
2.7	5.6	0.4	RSDZN5652R7F20 □□□ T	10 × 20	0.1	350
2.7	6.8	0.5	RSDZN6852R7F25 □□□ T	10 × 25	0.1	300
2.7	10	0.6	RSDZN1062R7F35 □□□ T	10 × 35	0.1	200
2.7	10	0.6	RSDZN1062R7G25 □□□ ST	12.5 × 25	0.1	200
2.7	15	0.8	RSDZN1562R7G35 □□□ ST	12.5 × 35	0.1	150
2.7	15	0.8	RSDZN1562R7J25 □□□ T	16 × 25	0.1	150
2.7	22	1.0	RSDZN2262R7J31 □□□ T	16 × 31.5	0.1	120
2.7	33	1.0	RSDZN3362R7J40 □□□ T	16 × 40	0.1	100

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.