

(old series: DZ,DZH)

DZ1,DZH/GZ1,GZH

ELECTRIC DOUBLE LAYER
CAPACITORS "DYNACAP"

ELNA

Standard, Large Capacitance Type Capacitors

GREEN
CAP

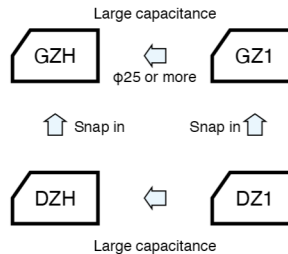
60°C
70°C

2.5V
2.7V

- Environmentally Friendly : without environmentally hazardous substances such as Cd or Pb.
- Unlike batteries, excellent charge and discharge characteristics with no chemical reactions.



Marking color : White print on a black sleeve

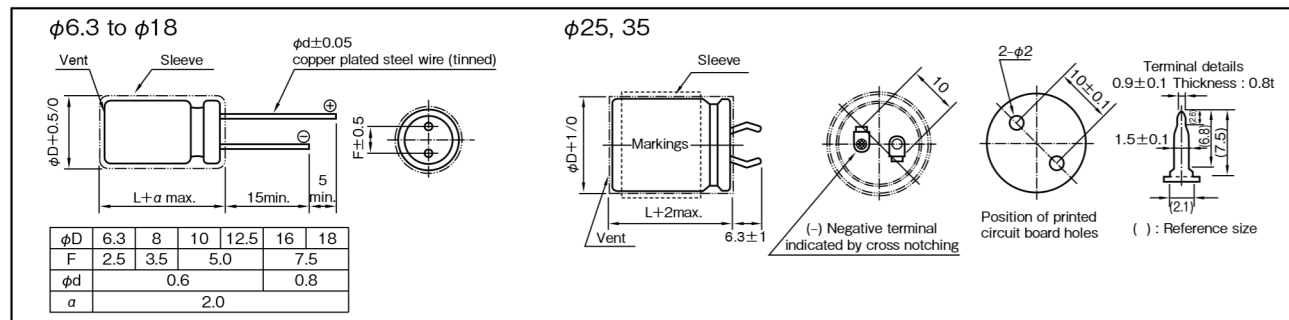


Specifications

Item	Performance	
Series name	Series DZ1,GZ1	Series DZH,GZH
Category temperature range (°C)	-25 to +70	-25 to +60
Tolerance at rated capacitance (%)	-20 to +80	-20 to +80
Internal resistance at 1kHz	Refer to the following page	
Characteristics at high and low temperature	Percentage of capacitance change	Within ±30% of the value at 20°C
	Internal resistance	Five times or less of the value at 20°C
Endurance	Test temperature	70°C
	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	Same as endurance	Same as endurance
Applicable standards	Conforms to JIS C5160 - 1 (IEC 62391 - 1)	

Outline Drawing

Unit : mm



Product code system (*For general product)

φ18 or less (2.5V10F)

RS*	DZ1	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*	GZ1	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.

CAT.No.2022/2023E

Standard Ratings (Series DZ1, GZ1 2.5V)

Max. operating voltage (V)	Rated capacitance (F)	Max. Leakage Current (mA) after 24h	ELNA Parts No.	$\phi D \times L$ (mm)	Internal resistance (Ω max.) at 1kHz	Internal resistance (m Ω) at 1kHz (measurement value)
2.5	1	0.1	RSDZ11052R5D14 □□□ T	6.3 × 14	1.0	400
2.5	1	0.1	RSDZ11052R5E12 □□□ T	8 × 12	1.0	200
2.5	2.7	0.2	RSDZ12752R5E20 □□□ ST	8 × 20	0.5	150
2.5	3.3	0.2	RSDZ13352R5F20 □□□ T	10 × 20	0.3	90
2.5	4.7	0.3	RSDZ14752R5F20 □□□ T	10 × 20	0.2	80
2.5	5.6	0.3	RSDZ15652R5F20 □□□ T	10 × 20	0.2	70
2.5	6.8	0.4	RSDZ16852R5F25 □□□ T	10 × 25	0.2	60
2.5	10	0.5	RSDZ11062R5F35 □□□ T	10 × 35	0.2	40
2.5	10	0.5	RSDZ11062R5G25 □□□ ST	12.5 × 25	0.2	40
2.5	15	0.7	RSDZ11562R5G35 □□□ ST	12.5 × 35	0.2	35
2.5	15	0.7	RSDZ11562R5J20 □□□ T	16 × 20	0.2	35
2.5	22	0.8	RSDZ12262R5J25 □□□ T	16 × 25	0.2	30
2.5	33	0.8	RSDZ13362R5J35 □□□ T	16 × 35.5	0.2	30
2.5	40	0.8	RSDZ14062R5K40 □□□ T	18 × 40	0.2	30
2.5	50	1.0	RSGZ15062R5N40 □□□ T	25 × 40	0.08	20
2.5	100	1.0	RSGZ11072R5N50 □□□ T	25 × 50	0.08	15
2.5	200	2.0	RSGZ12072R5Q50 □□□ T	35 × 50	0.08	15

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

Standard Ratings (Series DZ1, GZ1 2.7V)

Max. operating voltage (V)	Rated capacitance (F)	Max. Leakage Current (mA) after 24h	ELNA Parts No.	$\phi D \times L$ (mm)	Internal resistance (Ω max.) at 1kHz	Internal resistance (m Ω) at 1kHz (measurement value)
2.7	1	0.2	RSDZ11052R7D14 □□□ T	6.3 × 14	1.0	400
2.7	1	0.2	RSDZ11052R7E12 □□□ T	8 × 12	1.0	200
2.7	2.7	0.3	RSDZ12752R7E20 □□□ ST	8 × 20	0.5	150
2.7	3.3	0.3	RSDZ13352R7F20 □□□ T	10 × 20	0.3	130
2.7	4.7	0.4	RSDZ14752R7F20 □□□ T	10 × 20	0.2	80
2.7	5.6	0.4	RSDZ15652R7F20 □□□ T	10 × 20	0.2	70
2.7	6.8	0.5	RSDZ16852R7F25 □□□ T	10 × 25	0.2	60
2.7	10	0.6	RSDZ11062R7F35 □□□ T	10 × 35	0.2	40
2.7	10	0.6	RSDZ11062R7G25 □□□ ST	12.5 × 25	0.2	40
2.7	15	0.8	RSDZ11562R7G35 □□□ ST	12.5 × 35	0.2	35
2.7	15	0.8	RSDZ11562R7J25 □□□ T	16 × 25	0.2	35
2.7	22	1.0	RSDZ12262R7J31 □□□ T	16 × 31.5	0.2	30
2.7	33	1.0	RSDZ13362R7J40 □□□ T	16 × 40	0.2	30

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

Standard Ratings (Series DZH, GZH 2.5V)

Max. operating voltage (V)	Rated capacitance (F)	Max. Leakage Current (mA) after 24h	ELNA Parts No.	$\phi D \times L$ (mm)	Internal resistance (Ω max.) at 1kHz	Internal resistance (m Ω) at 1kHz (measurement value)
2.5	22	0.8	RSDZH2262R5G35 □□□ ST	12.5 × 35	0.2	55
2.5	50	1.0	RSDZH5062R5K40 □□□ T	18 × 40	0.08	30
2.5	100	2.0	RSGZH1072R5N40 □□□ T	25 × 40	0.08	20
2.5	300	5.0	RSGZH3072R5Q50 □□□ T	35 × 50	0.08	15

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