

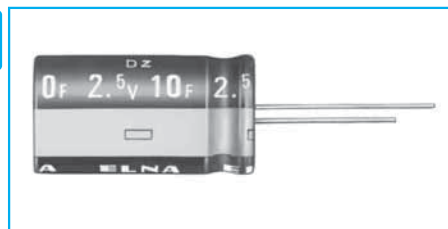
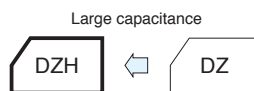
## Standard, Large capacitance type Capacitors

GREEN  
CAP

60°C  
70°C

2.5V  
2.7V

- Pollution-Free ; with no pollutants such as Cd or Pb.
- Unlike batteries ; excellent charge and discharge characteristics with no chemical reactions



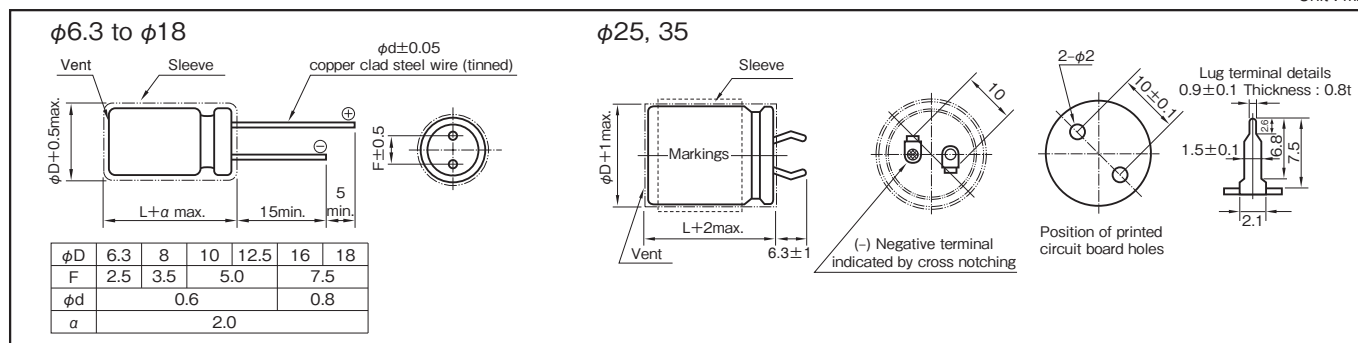
Marking color : White print on a black sleeve

### Specifications

| Item                                        | Performance                                     |                                                     |
|---------------------------------------------|-------------------------------------------------|-----------------------------------------------------|
| Series name                                 | Series DZ                                       | Series DZH                                          |
| 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 $\pm 30\%$ of the value at 20°C              |
|                                             | Internal resistance                             | Less than five times of the value at 20°C           |
| Endurance                                   | Test temperature                                | 70°C                                                |
|                                             | Test time                                       | 1000 hours                                          |
|                                             | Percentage of capacitance change                | Within $\pm 30\%$ of the initial measured value     |
|                                             | Internal resistance                             | Less than four times of the initial specified value |
| Shelf life                                  | Same as endurance                               |                                                     |
| Applicable standards                        | Conforms to JIS C5160-1 2009 (IEC 62391-1 2006) |                                                     |

### Outline Drawing

Unit : mm



### Part numbering system (example : 2.5V10F)

|             |   |                      |               |                          |               |   |
|-------------|---|----------------------|---------------|--------------------------|---------------|---|
| DZ          | — | 2R5                  | D             | 106                      | (H8)          | T |
| Series code |   | Rated voltage symbol | Terminal code | Rated capacitance symbol | Casing symbol |   |

Part number is refer to the following page.

### NOTE

Design, Specifications are subject to change without notice.  
Ask factory for technical specifications before purchase and/or use.

## Standard Ratings (Series DZ 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 resistance (mΩ) at 1kHz (measurement value) |
|----------------------------|-----------------------|-------------------------------------|----------------|-----------|--------------------------------------|------------------------------------------------------|
| 2.5                        | 0.9                   | 0.1                                 | DZ-2R5D904F4T  | 6.3×14.0  | 1.0                                  | 400                                                  |
| 2.5                        | 1.0                   | 0.1                                 | DZ-2R5D105G3T  | 8.0×12.0  | 1.0                                  | 200                                                  |
| 2.5                        | 1.0                   | 0.1                                 | DZ-2R5D105G4T  | 8.0×15.0  | 1.0                                  | 200                                                  |
| 2.5                        | 1.0                   | 0.1                                 | DZ-2R5D105T    | 8.0×22.0  | 1.0                                  | 150                                                  |
| 2.5                        | 2.7                   | 0.2                                 | DZ-2R5D275G5T  | 8.0×22.0  | 0.5                                  | 150                                                  |
| 2.5                        | 3.3                   | 0.2                                 | DZ-2R5D335H5T  | 10.0×20.0 | 0.3                                  | 70                                                   |
| 2.5                        | 3.3                   | 0.2                                 | DZ-2R5D335T    | 12.5×23.0 | 0.3                                  | 70                                                   |
| 2.5                        | 4.7                   | 0.3                                 | DZ-2R5D475H5T  | 10.0×20.0 | 0.2                                  | 80                                                   |
| 2.5                        | 4.7                   | 0.3                                 | DZ-2R5D475T    | 12.5×31.5 | 0.2                                  | 40                                                   |
| 2.5                        | 6.8                   | 0.4                                 | DZ-2R5D685H7T  | 10.0×30.0 | 0.2                                  | 50                                                   |
| 2.5                        | 10                    | 0.5                                 | DZ-2R5D106H8T  | 10.0×35.0 | 0.2                                  | 40                                                   |
| 2.5                        | 10                    | 0.5                                 | DZ-2R5D106Z7T  | 12.5×31.5 | 0.2                                  | 40                                                   |
| 2.5                        | 10                    | 0.5                                 | DZ-2R5D106T    | 18.0×35.0 | 0.2                                  | 30                                                   |
| 2.5                        | 15                    | 0.7                                 | DZ-2R5D156J5T  | 16.0×20.0 | 0.2                                  | 35                                                   |
| 2.5                        | 20                    | 0.8                                 | DZ-2R5D206K8T  | 18.0×35.0 | 0.2                                  | 30                                                   |
| 2.5                        | 20                    | 0.8                                 | DZ-2R5D206T    | 18.0×40.0 | 0.2                                  | 30                                                   |
| 2.5                        | 22                    | 0.8                                 | DZ-2R5D226J6T  | 16.0×25.0 | 0.2                                  | 30                                                   |
| 2.5                        | 30                    | 0.8                                 | DZ-2R5D306K9T  | 18.0×40.0 | 0.2                                  | 30                                                   |
| 2.5                        | 33                    | 0.8                                 | DZ-2R5D336J8T  | 16.0×35.5 | 0.2                                  | 30                                                   |
| 2.5                        | 50                    | 1.0                                 | DZ-2R5D506T    | 25.0×40.0 | 0.08                                 | 20                                                   |
| 2.5                        | 100                   | 1.0                                 | DZ-2R5D107S37T | 25.0×50.0 | 0.08                                 | 15                                                   |
| 2.5                        | 100                   | 1.0                                 | DZ-2R5D107T    | 35.0×50.0 | 0.08                                 | 15                                                   |
| 2.5                        | 200                   | 2.0                                 | DZ-2R5D207S57T | 35.0×50.0 | 0.08                                 | 15                                                   |

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

## Standard Ratings (Series DZ 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 resistance (mΩ) at 1kHz (measurement value) |
|----------------------------|-----------------------|-------------------------------------|----------------|-----------|--------------------------------------|------------------------------------------------------|
| 2.7                        | 0.9                   | 0.2                                 | DZ-2R7D904F4T  | 6.3×14.0  | 1.0                                  | 400                                                  |
| 2.7                        | 1.0                   | 0.2                                 | DZ-2R7D105G3T  | 8.0×12.0  | 1.0                                  | 200                                                  |
| 2.7                        | 1.0                   | 0.2                                 | DZ-2R7D105G4T  | 8.0×15.0  | 1.0                                  | 200                                                  |
| 2.7                        | 1.0                   | 0.2                                 | DZ-2R7D105G5T  | 8.0×22.0  | 1.0                                  | 150                                                  |
| 2.7                        | 2.7                   | 0.3                                 | DZ-2R7D275G5T  | 8.0×22.0  | 0.5                                  | 150                                                  |
| 2.7                        | 3.3                   | 0.3                                 | DZ-2R7D335H5T  | 10.0×20.0 | 0.3                                  | 100                                                  |
| 2.7                        | 3.3                   | 0.3                                 | DZ-2R7D335Z6T  | 12.5×23.0 | 0.3                                  | 70                                                   |
| 2.7                        | 4.7                   | 0.4                                 | DZ-2R7D475H5T  | 10.0×20.0 | 0.2                                  | 80                                                   |
| 2.7                        | 4.7                   | 0.4                                 | DZ-2R7D475Z7T  | 12.5×31.5 | 0.2                                  | 40                                                   |
| 2.7                        | 6.8                   | 0.5                                 | DZ-2R7D685H7T  | 10.0×30.0 | 0.2                                  | 50                                                   |
| 2.7                        | 10                    | 0.6                                 | DZ-2R7D106H8T  | 10.0×35.0 | 0.2                                  | 40                                                   |
| 2.7                        | 10                    | 0.6                                 | DZ-2R7D106Z7T  | 12.5×31.5 | 0.2                                  | 40                                                   |
| 2.7                        | 10                    | 0.6                                 | DZ-2R7D106K8T  | 18.0×35.0 | 0.2                                  | 30                                                   |
| 2.7                        | 15                    | 0.8                                 | DZ-2R7D156J6T  | 16.0×25.0 | 0.2                                  | 35                                                   |
| 2.7                        | 20                    | 1.0                                 | DZ-2R7D206K8T  | 18.0×35.0 | 0.2                                  | 30                                                   |
| 2.7                        | 20                    | 1.0                                 | DZ-2R7D206K9T  | 18.0×40.0 | 0.2                                  | 30                                                   |
| 2.7                        | 22                    | 1.0                                 | DZ-2R7D226J7T  | 16.0×31.5 | 0.2                                  | 30                                                   |
| 2.7                        | 30                    | 1.0                                 | DZ-2R7D306K9T  | 18.0×40.0 | 0.2                                  | 30                                                   |
| 2.7                        | 33                    | 1.0                                 | DZ-2R7D336J9T  | 16.0×40.0 | 0.2                                  | 30                                                   |

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

## Standard Ratings (Series DZH 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 resistance (mΩ) at 1kHz (measurement value) |
|----------------------------|-----------------------|-------------------------------------|-----------------|-----------|--------------------------------------|------------------------------------------------------|
| 2.5                        | 50                    | 1.0                                 | DZH-2R5D506K9T  | 18.0×40.0 | 0.08                                 | 30                                                   |
| 2.5                        | 100                   | 2.0                                 | DZH-2R5D107S35T | 25.0×40.0 | 0.08                                 | 20                                                   |
| 2.5                        | 300                   | 5.0                                 | DZH-2R5D307S57T | 35.0×50.0 | 0.08                                 | 15                                                   |

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## NOTE

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