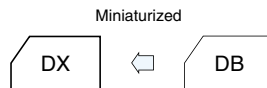


## 5.5V Miniaturized Standard Capacitors Series DX

- Smaller and lighter than Series DB.
- 5mm tall. Max. thin profile(H-shaped).
- Miniaturized but can encase up to 0.33F in 11.5x5mm case.



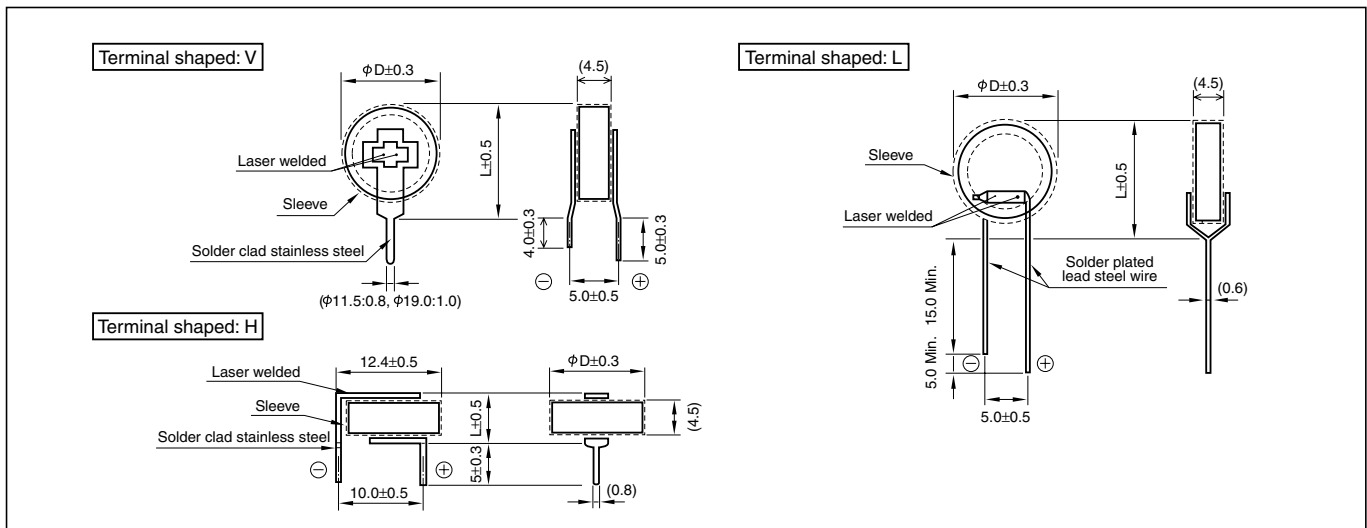
Marking color : White print on an indigo sleeve

### Specifications

| Item                                           | Performance                                |                                                  |     |      |      |     |
|------------------------------------------------|--------------------------------------------|--------------------------------------------------|-----|------|------|-----|
| Category temperature range (°C)                | −25 to +70                                 |                                                  |     |      |      |     |
| Tolerance at rated capacitance (%)             | −20 to +80                                 |                                                  |     |      |      |     |
| Internal resistance<br>at 1 kHz                | Rated Capacitance (F)                      | 0.047                                            | 0.1 | 0.22 | 0.33 | 1.0 |
|                                                | Internal resistance (Ω)                    | 120                                              | 75  | 75   | 75   | 30  |
| Characteristics at high<br>and low temperature | Percentage of capacitance change           | Within ±30% of the value at 20°C                 |     |      |      |     |
|                                                | Internal resistance                        | Less than five times of the value at 20°C        |     |      |      |     |
| Endurance (70°C)                               | Test time                                  | 1000 hours                                       |     |      |      |     |
|                                                | Percentage of capacitance change           | Within ±30% of the initial measured value        |     |      |      |     |
|                                                | Internal resistance                        | Within four times of the initial specified value |     |      |      |     |
| Shelf life (70°C)                              | Test time :1000 hours ; Same as endurance. |                                                  |     |      |      |     |

### Outline Drawing

Unit: mm



### Part numbering system (example: 5.5V0.1F)

|                    |             |   |                      |                 |                          |        |
|--------------------|-------------|---|----------------------|-----------------|--------------------------|--------|
| Environmental item | DX          | — | 5R5                  | □               | 104                      | U or T |
|                    | Series code |   | Rated voltage symbol | Terminal shaped | Rated capacitance symbol |        |
| Former item        | DX          | — | 5R5                  | □               | 104                      |        |
|                    | Series code |   | Rated voltage symbol | Terminal shaped | Rated capacitance symbol |        |

### Note

Do not apply external force to products or terminals as stress such as twisting, bending, pushing, or falling of such products or terminals may remove the terminals, resulting in an open/short circuit or liquid leakage.  
Avoid applying excessive heat to capacitors during heating of an adhesive curing oven.  
For details, refer to the precautions in use of DYNACAP.

### Standard Ratings

| Max. operating voltage(V) | Rated capacitance(F) | ELNA Parts No. | φ DxL(mm) |
|---------------------------|----------------------|----------------|-----------|
| 5.5                       | 0.047                | DX-5R5V473     | 11.5x13.0 |
|                           |                      | DX-5R5H473     | 11.5x 5.0 |
|                           |                      | DX-5R5L473     | 11.5x12.4 |
| 5.5                       | 0.1                  | DX-5R5V104     | 11.5x13.0 |
|                           |                      | DX-5R5H104     | 11.5x 5.0 |
|                           |                      | DX-5R5L104     | 11.5x12.4 |
| 5.5                       | 0.22                 | DX-5R5V224     | 11.5x13.0 |
|                           |                      | DX-5R5H224     | 11.5x 5.0 |
|                           |                      | DX-5R5L224     | 11.5x12.4 |
| 5.5                       | 0.33                 | DX-5R5V334     | 11.5x13.0 |
|                           |                      | DX-5R5H334     | 11.5x 5.0 |
|                           |                      | DX-5R5L334     | 11.5x12.4 |
| 5.5                       | 1.0                  | DX-5R5V105     | 19.0x20.5 |