

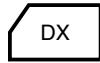
## 5.5V Miniaturized Standard Capacitors

GREEN  
CAP

70°C

- Smaller and lighter than Series DB.
- 5mm tall. Max. thin profile (H-shaped).
- Miniaturized but can encase up to 0.47F in 11.5×5mm case, and 1.5F in  $\phi 19.0 \times 20.5$ mm case.

Miniaturized



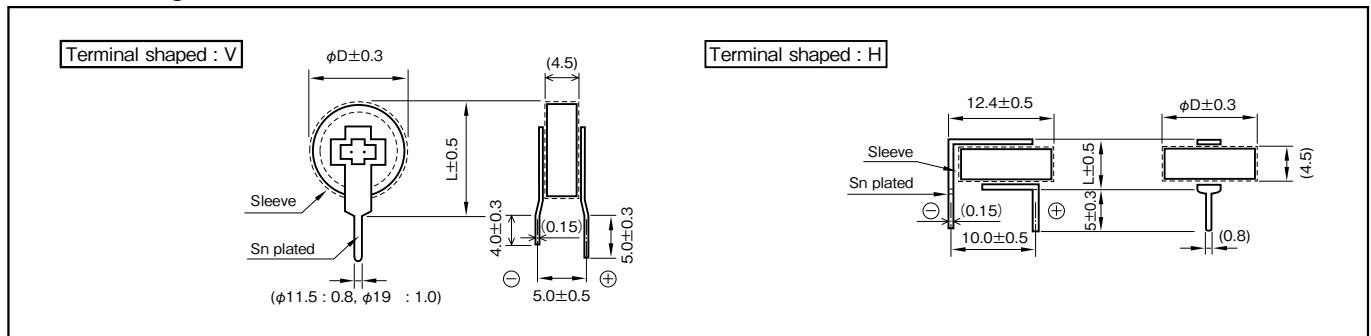
Marking color : White print on an indigo sleeve

### 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 | 0.47        | 0.47        | 1  | 1.5 |
|                                                | Internal resistance (Ω Max.)                    | 120                                                 | 75  | 75   | 75   | 75 (φ 11.5) | 30 (φ 19.0) | 30 | 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                             | Less than four times of the initial specified value |     |      |      |             |             |    |     |
| Shelf life (70°C)                              | Test time : 1000 hours ; Same as endurance.     |                                                     |     |      |      |             |             |    |     |
| Applicable standards                           | Conforms to JIS C5160-1 2009 (IEC 62391-1 2006) |                                                     |     |      |      |             |             |    |     |

### Outline Drawing

Unit : mm



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

|             |   |                               |               |                          |                   |   |
|-------------|---|-------------------------------|---------------|--------------------------|-------------------|---|
| DX          | — | 5R5                           | $\square$     | 104                      | $\square$         | U |
| Series code |   | Max. operating voltage symbol | Terminal code | Rated capacitance symbol | Additional symbol |   |

Part number is refer to following table.

### 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. | $\phi D \times L$ (mm) |
|----------------------------|-----------------------|----------------|------------------------|
| 5.5                        | 0.047                 | DX-5R5V473U    | 11.5×13.0              |
|                            |                       | DX-5R5H473U    | 11.5× 5.0              |
| 5.5                        | 0.1                   | DX-5R5V104U    | 11.5×13.0              |
|                            |                       | DX-5R5H104U    | 11.5× 5.0              |
| 5.5                        | 0.22                  | DX-5R5V224U    | 11.5×13.0              |
|                            |                       | DX-5R5H224U    | 11.5× 5.0              |
| 5.5                        | 0.33                  | DX-5R5V334U    | 11.5×13.0              |
|                            |                       | DX-5R5H334U    | 11.5× 5.0              |
| 5.5                        | 0.47                  | DX-5R5V474SU   | 11.5×13.0              |
|                            |                       | DX-5R5H474SU   | 11.5× 5.0              |
|                            |                       | DX-5R5V474U    | 19.0×20.5              |
| 5.5                        | 1                     | DX-5R5V105U    | 19.0×20.5              |
| 5.5                        | 1.5                   | DX-5R5V155U    | 19.0×20.5              |