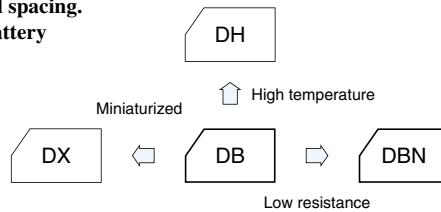


## 5.5V Standard Capacitors Series DB

- Small-sized, large capacity, excellent voltage holding.
- For all ratings, uniform 5mm pitch of terminal spacing.
- Wider temperature range(−25~+70°C) than battery makes periodic change unnecessary.
- $\phi 13.5 \times 7.5$  size can encase up to 0.33F.
- Ideal for backing up of CMOS's, microcomputers, RAM's and the like used in VCR's, tuners, TV sets, telephone sets and others.

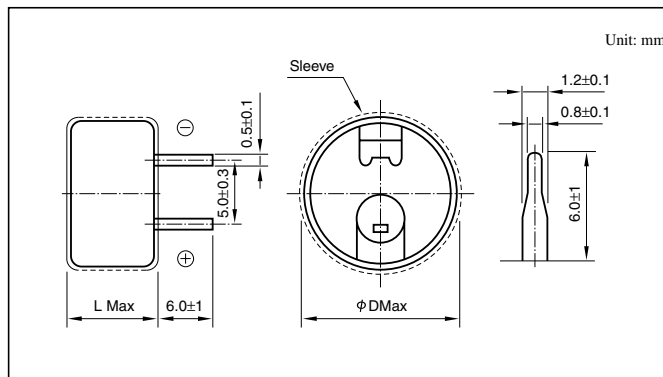


Marking color : White print on an indigo sleeve

## 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 | 1.0 |
|                                                | Internal resistance (Ω)                    | 120                                              | 75  | 75   | 75   | 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                        | Within four times of the initial specified value |     |      |      |      |     |
| Shelf life (70°C)                              | Test time :1000 hours ; Same as endurance. |                                                  |     |      |      |      |     |

## Outline Drawing



## Standard Ratings

| Max. operating voltage(V) | Rated capacitance(F) | ELNA Parts No. | φ DxL(mm) |
|---------------------------|----------------------|----------------|-----------|
| 5.5                       | 0.047                | DB-5R5D473T    | 13.5x7.5  |
| 5.5                       | 0.1                  | DB-5R5D104T    | 13.5x7.5  |
| 5.5                       | 0.22                 | DB-5R5D224T    | 13.5x7.5  |
| 5.5                       | 0.33                 | DB-5R5D334T    | 13.5x7.5  |
| 5.5                       | 0.47                 | DB-5R5D474T    | 21.5x8.0  |
| 5.5                       | 1.0                  | DB-5R5D105T    | 21.5x8.0  |

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

|                    |                   |   |                             |   |                                 |   |
|--------------------|-------------------|---|-----------------------------|---|---------------------------------|---|
| Environmental item | DB<br>Series code | — | 5R5<br>Rated voltage symbol | D | 104<br>Rated capacitance symbol | T |
| Former item        | DB<br>Series code | — | 5R5<br>Rated voltage symbol | D | 104<br>Rated capacitance symbol |   |

## 5.5V Low Resistance Series DBN

- Internal resistance was reduced to 1/3 to DB series.
- It excels in rapid charge.

## 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)                      | 0.1                                              |
|                                                | Internal resistance (Ω)                    | 25                                               |
| 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. |                                                  |

## Standard Ratings

| Max. operating voltage(V) | Rated capacitance(F) | ELNA Parts No. | φ DxL(mm) |
|---------------------------|----------------------|----------------|-----------|
| 5.5                       | 0.1                  | DBN-5R5D104T   | 13.5x7.5  |

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

|                    |                    |   |                             |   |                                 |   |
|--------------------|--------------------|---|-----------------------------|---|---------------------------------|---|
| Environmental item | DBN<br>Series code | — | 5R5<br>Rated voltage symbol | D | 104<br>Rated capacitance symbol | T |
| Former item        | DBN<br>Series code | — | 5R5<br>Rated voltage symbol | D | 104<br>Rated capacitance symbol |   |

## NOTE

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

# Mouser Electronics

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