

# Type T High Voltage DC Filter Capacitors



## Type T – Paper-Film/Foil

### Applications

Use Type T capacitors for filter applications. Typical applications include: filtering, bypass and blocking radar amplifiers and power supplies.

### Highlights

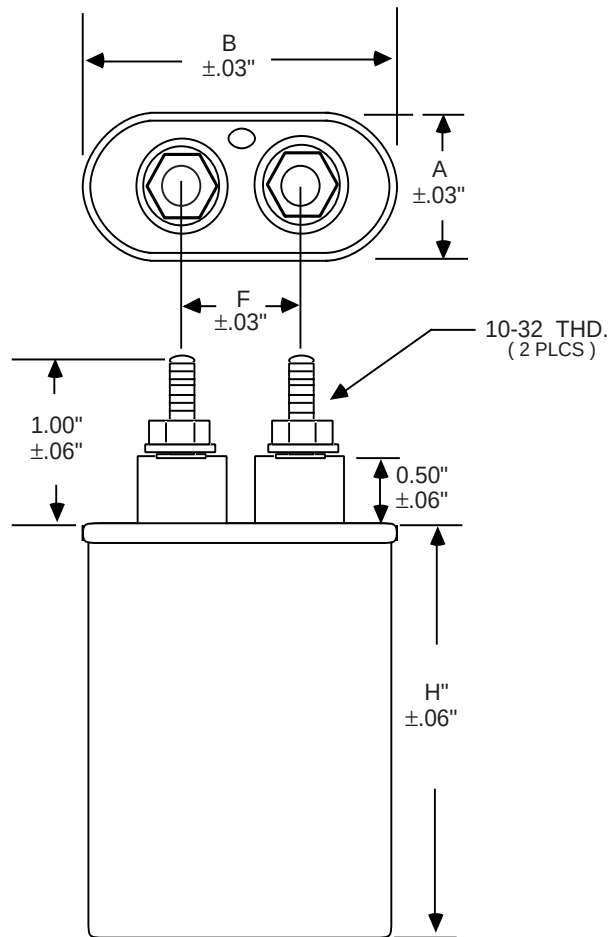
- Voltage ratings: 600 - 5000 Vdc
- Capacitance range: 0.1 $\mu$ F to 15.0 $\mu$ F
- Capacitance tolerance:  $\pm 10\%$
- Temperature range: -55°C to 85°C
- 105°C operation with derating
- Hermetically sealed for long life
- 10-32 screw terminals

| Cap.<br>( $\mu$ F) | Stock<br>Items | Catalog<br>Number | Case<br>Code | H<br>(inches) |
|--------------------|----------------|-------------------|--------------|---------------|
| <b>600 Vdc</b>     |                |                   |              |               |
| 0.50               |                | T6P5NR            | A            | 2.13          |
| 1.0                | S              | T6W1NR            | A            | 2.13          |
| 2.0                | S              | T6W2NR            | A            | 2.13          |
| 3.0                |                | T6W3NR            | A            | 2.38          |
| 4.0                |                | T6W4NR            | A            | 2.63          |
| 6.0                |                | T6W6NR            | A            | 3.00          |
| 8.0                |                | T6W8NR            | C            | 2.63          |
| 10.0               | S              | T6W10NR           | C            | 3.13          |
| 15.0               |                | T6W15NR           | D            | 3.50          |
| <b>1000 Vdc</b>    |                |                   |              |               |
| 0.10               |                | T10P1NR           | A            | 2.13          |
| 0.25               |                | T10P25NR          | A            | 2.13          |
| 0.50               | S              | T10P5NR           | A            | 2.13          |
| 1.0                | S              | T10W1NR           | A            | 2.13          |
| 2.0                |                | T10W2NR           | A            | 2.63          |
| 4.0                |                | T10W4NR           | A            | 4.25          |
| 6.0                | S              | T10W6NR           | C            | 3.50          |
| 8.0                |                | T10W8NR           | D            | 3.50          |
| 10.0               | S              | T10W10NR          | D            | 3.88          |
| 15.0               |                | T10W15NR          | D            | 5.25          |
| <b>1500 Vdc</b>    |                |                   |              |               |
| 0.50               |                | T15P5NR           | A            | 2.13          |
| 1.0                |                | T15W1NR           | A            | 2.13          |
| 2.0                |                | T15W2NR           | A            | 3.13          |
| 4.0                |                | T15W4NR           | C            | 3.13          |
| 6.0                |                | T15W6NR           | D            | 3.88          |
| 8.0                |                | T15W8NR           | D            | 4.25          |

| Cap.<br>( $\mu$ F)       | Stock<br>Items | Catalog<br>Number | Case<br>Code | H<br>(inches) |
|--------------------------|----------------|-------------------|--------------|---------------|
| <b>1500 Vdc (cont'd)</b> |                |                   |              |               |
| 10.0                     |                | T15W10NR          | D            | 4.75          |
| 12.0                     |                | T15W12NR          | D            | 5.25          |
| 15.0                     |                | T15W15NR          | D            | 6.25          |
| <b>2000 Vdc</b>          |                |                   |              |               |
| 0.10                     |                | T20P1NR           | A            | 2.13          |
| 0.25                     |                | T20P25NR          | A            | 2.13          |
| 0.50                     | S              | T20P5NR           | A            | 2.13          |
| 1.0                      | S              | T20W1NR           | A            | 2.63          |
| 2.0                      |                | T20W2NR           | C            | 2.88          |
| 4.0                      |                | T20W4NR           | D            | 3.50          |
| 5.0                      |                | T20W5NR           | D            | 4.25          |
| 8.0                      |                | T20W8NR           | D            | 5.75          |
| 10.0                     |                | T20W10NR          | D            | 6.75          |
| 15.0                     |                | T20W15NR          | D            | 9.88          |
| <b>2500 Vdc</b>          |                |                   |              |               |
| 1.0                      |                | T25W1NR           | C            | 2.88          |
| 2.0                      |                | T25W2NR           | C            | 3.13          |
| 4.0                      |                | T25W4NR           | D            | 4.25          |
| <b>3000 Vdc</b>          |                |                   |              |               |
| 0.10                     |                | T30P1NR           | A            | 2.13          |
| 0.50                     |                | T30P5NR           | A            | 3.13          |
| 1.0                      |                | T30W1NR           | C            | 3.13          |
| 6.0                      |                | T30W6NR           | D            | 8.00          |
| <b>5000 Vdc</b>          |                |                   |              |               |
| 0.50                     |                | T50P5NR           | C            | 3.50          |
| 1.0                      |                | T50W1NR           | D            | 4.25          |
| 2.0                      |                | T50W2NR           | D            | 7.25          |

High-Voltage  
and  
Motor Capacitors

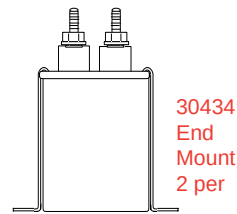
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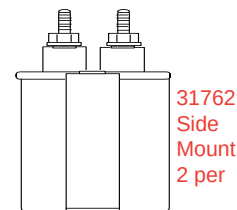
## Case Code

| Case Code | Dimensions (Inches) |      |      |           |
|-----------|---------------------|------|------|-----------|
|           | A                   | B    | F    | H         |
| A         | 1.31                | 2.16 | 0.81 | see table |
| C         | 1.91                | 2.91 | 1.38 | see table |
| D         | 1.97                | 3.66 | 1.38 | see table |

## Mounting Hardware



30434  
End  
Mount  
2 per



31762  
Side  
Mount  
2 per

| H (Inches) | End Mount | Side Mount |
|------------|-----------|------------|
| 2.13       | 30434-33  | 31762-45   |
| 2.38       | 30434-37  | 31762-46   |
| 2.63       | 30434-41  | 31762-47   |
| 2.88       | 30434-45  | 31762-48   |
| 3.13       | 30434-49  | 31762-49   |
| 3.50       | 30434-55  | 31762-50   |
| 3.75       | 30434-59  | 31762-83   |
| 3.88       | 30434-61  | 31762-51   |
| 4.25       | 30434-67  | 31762-52   |
| 4.75       | 30434-75  | 31762-54   |
| 5.25       | 30434-83  | 31762-55   |
| 5.75       | 30434-91  | 31762-56   |
| 6.25       | 30434-99  | 31762-59   |
| 6.75       | 30434-107 | 31762-60   |
| 7.25       | 30434-115 | 31762-62   |
| 8.00       | 30434-127 | 31762-63   |

| Case Code | Bracket  |
|-----------|----------|
| A         | 30393-5  |
| C         | 30393-9  |
| D         | 30393-10 |

| Case Code | Bracket |
|-----------|---------|
| A         | 32107-1 |
| C         | 32107-2 |
| D         | 32107-3 |



6-32 screw  
and nut

High-Voltage  
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