

## Type OTB – Paper-Film/Foil

### Applications

Use Type OTB capacitors for all normal blocking, filtering and bypass applications where any standard DC capacitor may be used. They may also be used in motor-run and other 60 Hz applications.

### Highlights

- Voltage ratings DC/AC: 400/236, 600/330, 1000/440, 1500/660, 2000/700, 2500/800, 3000/950
- Capacitance range: 0.1  $\mu$ F to 35.0  $\mu$ F
- Capacitance tolerance:  $\pm 10\%$
- Temperature range:  $-55^{\circ}\text{C}$  to  $85^{\circ}\text{C}$
- Protected: Pressure sensitive interrupter
- Listed under UL File No. E56959
- CSA Certified file No. LR075387
- Environmentally compatible
- Solder Lug terminations



| Cap. ( $\mu$ F)                             | Stock Items | Catalog Number | Case Code | H (inches) |
|---|-------------|----------------|-----------|------------|
| <b>400 Vdc (236 Vac) – Paper Dielectric</b> |             |                |           |            |
| 3.0   |             | OTBE305KNPIR   | A         | 2.13       |
| 4.0   |             | OTBE405KNPIR   | A         | 2.38       |
| 5.0   |             | OTBE505KNPIR   | A         | 2.63       |
| 6.0   |             | OTBE605KNPIR   | A         | 2.88       |
| 8.0   |             | OTBE805KNPIR   | A         | 3.88       |
| 10.0  |             | OTBE106KNPIR   | A         | 4.75       |
| 12.0  |             | OTBE126KNPIR   | C         | 3.13       |
| 15.0  |             | OTBE156KNPIR   | C         | 3.50       |
| 20.0  |             | OTBE206KNPIR   | C         | 4.75       |
| 25.0  |             | OTBE256KNPIR   | C         | 5.75       |
| 30.0  |             | OTBE306KNPIR   | C         | 6.75       |
| <b>600 Vdc (330 Vac) – Paper Dielectric</b> |             |                |           |            |
| 0.50  |             | OTBF504KNPIR   | A         | 2.13       |
| 1.0   |             | OTBF105KNPIR   | A         | 2.13       |
| 2.0   |             | OTBF205KNPIR   | A         | 2.13       |
| 3.0   |             | OTBF305KNPIR   | A         | 2.38       |
| 4.0   |             | OTBF405KNPIR   | A         | 2.63       |
| 5.0   |             | OTBF505KNPIR   | A         | 3.13       |
| 6.0   |             | OTBF605KNPIR   | A         | 3.88       |
| 8.0   |             | OTBF805KNPIR   | A         | 4.75       |
| 10.0  |             | OTBF106KNPIR   | C         | 3.13       |
| 12.0  |             | OTBF126KNPIR   | C         | 3.88       |
| 15.0  |             | OTBF156KNPIR   | C         | 4.25       |
| 20.0  |             | OTBF206KNPIR   | C         | 5.75       |
| 25.0  |             | OTBF256KNPIR   | C         | 6.75       |
| 30.0  |             | OTBF306KNPIR   | D         | 6.25       |
| 35.0  |             | OTBF356KNPIR   | D         | 7.25       |

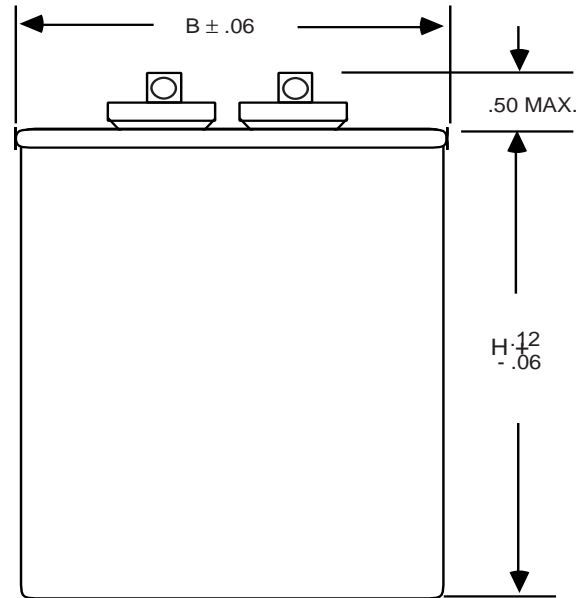
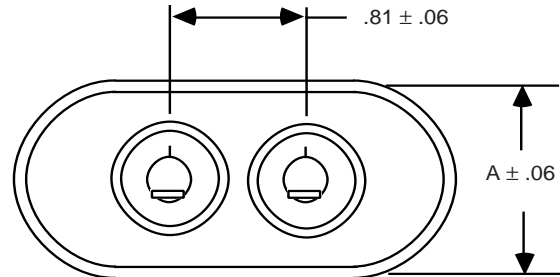
| Cap. ( $\mu$ F)                                   | Stock Items | Catalog Number | Case Code | H (inches) |
|---|-------------|----------------|-----------|------------|
| <b>1000 Vdc (440 Vac) – Paper Dielectric</b>      |             |                |           |            |
| 0.10  |             | OTBG104KNPIR   | A         | 2.13       |
| 0.25  | S           | OTBG254KNPIR   | A         | 2.13       |
| 0.50  |             | OTBG504KNPIR   | A         | 2.13       |
| 1.0   |             | OTBG105KNPIR   | A         | 2.13       |
| 2.0   |             | OTBG205KNPIR   | A         | 2.63       |
| 3.0   |             | OTBG305KNPIR   | A         | 3.13       |
| 4.0   |             | OTBG405KNPIR   | A         | 4.25       |
| 5.0   |             | OTBG505KNPIR   | A         | 4.75       |
| 6.0   |             | OTBG605KNPIR   | C         | 3.13       |
| 8.0   |             | OTBG805KNPIR   | C         | 4.25       |
| 10.0  |             | OTBG106KNPIR   | C         | 4.75       |
| 12.0  |             | OTBG126KNPIR   | C         | 5.75       |
| 15.0  |             | OTBG156KNPIR   | C         | 7.25       |
| 20.0  |             | OTBG206KNPIR   | D         | 7.25       |
| 25.0  |             | OTBG256KNPIR   | D         | 9.00       |
| <b>1500 Vdc (660 Vac) – Film/Paper Dielectric</b> |             |                |           |            |
| 0.50  | S           | OTBH504KNPIR   | A         | 2.13       |
| 1.0   | S           | OTBH105KNPIR   | A         | 2.13       |
| 2.0   | S           | OTBH205KNPIR   | A         | 3.13       |
| 3.0   | S           | OTBH305KNPIR   | A         | 4.25       |
| 4.0   |             | OTBH405KNPIR   | C         | 3.13       |
| 5.0   |             | OTBH505KNPIR   | C         | 3.50       |
| 6.0   |             | OTBH605KNPIR   | C         | 4.25       |
| 8.0   |             | OTBH805KNPIR   | C         | 5.25       |
| 10.0  |             | OTBH106KNPIR   | D         | 5.25       |
| 12.0  |             | OTBH126KNPIR   | D         | 5.75       |
| 15.0  |             | OTBH156KNPIR   | D         | 6.75       |

High-Voltage and Motor Capacitors

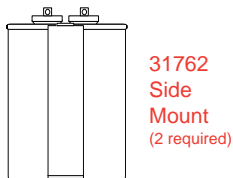
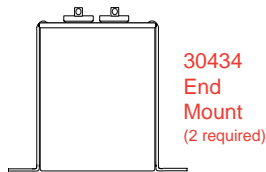
# Type OTB DC/AC Dual Rated Capacitors

| Cap. (μF)   | Stock Items | Catalog Number | Case Code | H (inches) |
|---|-------------|----------------|-----------|------------|
| <b>2000 Vdc (700 Vac) – Film/Paper Dielectric</b> |             |                |           |            |
| 0.10  |             | OTBJ104KNPIR   | A         | 2.13       |
| 0.25  |             | OTBJ254KNPIR   | A         | 2.13       |
| 0.50  |             | OTBJ504KNPIR   | A         | 2.13       |
| 1.0   |             | OTBJ105KNPIR   | A         | 2.63       |
| 2.0   |             | OTBJ205KNPIR   | A         | 4.25       |
| 3.0   |             | OTBJ305KNPIR   | C         | 3.50       |
| 4.0   |             | OTBJ405KNPIR   | C         | 4.25       |
| 5.0   |             | OTBJ505KNPIR   | C         | 4.75       |
| 6.0   |             | OTBJ605KNPIR   | C         | 5.75       |
| 8.0   |             | OTBJ805KNPIR   | D         | 5.75       |
| 10.0  |             | OTBJ106KNPIR   | D         | 6.75       |
| <b>2500 Vdc (800 Vac) – Film/Paper Dielectric</b> |             |                |           |            |
| 0.50  |             | OTBK504KNPIR   | A         | 2.13       |
| 1.0   |             | OTBK105KNPIR   | C         | 2.88       |
| 2.0   |             | OTBK205KNPIR   | C         | 3.13       |
| 3.0   |             | OTBK305KNPIR   | C         | 4.25       |
| 4.0   |             | OTBK405KNPIR   | C         | 5.75       |
| 5.0   |             | OTBK505KNPIR   | C         | 6.75       |
| 6.0   |             | OTBK605KNPIR   | D         | 5.75       |
| 7.0   |             | OTBK705KNPIR   | D         | 6.75       |
| 8.0   |             | OTBK805KNPIR   | D         | 7.25       |

| Cap. (μF)   | Stock Items | Catalog Number | Case Code | H (inches) |
|---|-------------|----------------|-----------|------------|
| <b>3000 Vdc (950 Vac) – Film/Paper Dielectric</b> |             |                |           |            |
| 0.10  |             | OTBL104KNPIR   | A         | 2.13       |
| 0.25  |             | OTBL254KNPIR   | A         | 2.13       |
| 0.50  |             | OTBL504KNPIR   | C         | 2.88       |
| 1.0   |             | OTBL105KNPIR   | C         | 2.88       |
| 2.0   |             | OTBL205KNPIR   | C         | 4.25       |
| 3.0   |             | OTBL305KNPIR   | C         | 5.75       |
| 4.0   |             | OTBL405KNPIR   | D         | 5.75       |
| 5.0   |             | OTBL505KNPIR   | D         | 6.75       |



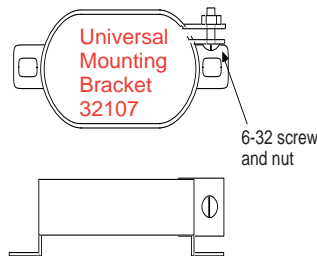
## Mounting Hardware



| 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   |
| 9.00       | 30434-143 | 31762-78   |

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

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



## Case Code

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

High-Voltage and Motor Capacitors