Type OTB DC/AC Dual Rated Capacitors

Protected, High Voltage, Paper-Film/Foil Capacitors for AC & DC Applications



Type OTB is a capacitor with a robust construction consisting of a paper or a combination of paper and film dielectric system with foil electrodes, and is protected by a pressure sensitive interrupter. The OTB is UL and CSA recognized and may be used for all normal DC blocking, filtering and bypass applications as well as AC motor-run and other 60 Hz applications. Type OTB is supplied in an oval metal case with easy to use solder lug terminals positioned in plastic insulator cups.

Highlights

- Protected: Pressure sensitive interrupter
- Listed un UL* File No. E56959
- CSA* Certified file No. LR075387
- Good for DC and 60 Hz AC applications

*UL/CSA listings are up to 1500 Vdc (660 Vac)

Specifications

Capacitance Range: 0.1µF to 35.0 µF

Voltage Range:

400 Vdc / 236 Vac	600 Vdc / 330 Vac
1000 Vdc / 440 Vac	1500 Vdc / 660 Vac
2000 Vdc / 700 Vac	2500 Vdc / 800 Vac
3000 Vdc / 950 Vac	

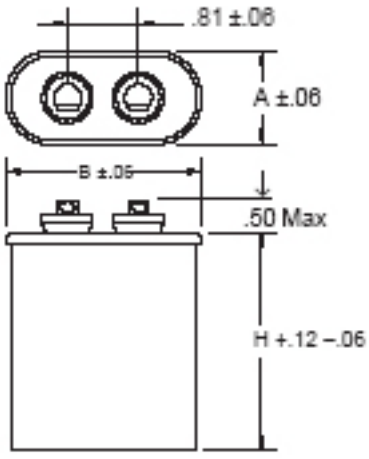
Capacitance Tolerance: ±10%

Temperature Range: –55 °C to 85 °C

RoHS Compliant

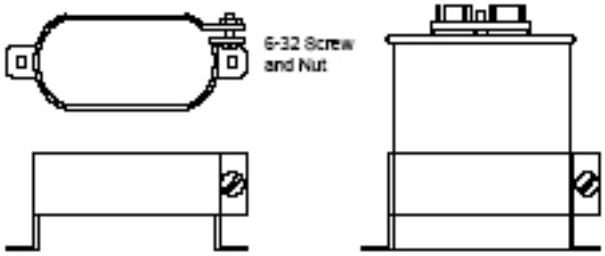
Complies with the EU Directive 2002/95/EC requirement restricting the use of Lead (Pb), Mercury (Hg), Cadmium (Cd), Hexavalent chromium (Cr(VI)), PolyBrominated Biphenyls (PBB) and PolyBrominated Diphenyl Ethers (PBDE).

Outline Drawing



Mounting Brackets

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



Type OTB DC/AC Dual Ratcd Capacitors

Ratings

Cap (µF)	Catalog Part Number	A (Inches)	B (Inches)	H (Inches)
400 Vdc (236 Vac) - Paper Dielectric				
3.0	OTBE305KNPIR-F	1.31	2.16	2.13
4.0	OTBE405KNPIR-F	1.31	2.16	2.38
5.0	OTBE505KNPIR-F	1.31	2.16	2.63
6.0	OTBE605KNPIR-F	1.31	2.16	2.88
8.0	OTBE805KNPIR-F	1.31	2.16	3.88
10.0	OTBE106KNPIR-F	1.31	2.16	4.75
12.0	OTBE126KNPIR-F	1.91	2.91	3.13
15.0	OTBE156KNPIR-F	1.91	2.91	3.50
20.0	OTBE206KNPIR-F	1.91	2.91	4.75
25.0	OTBE256KNPIR-F	1.91	2.91	5.75
30.0	OTBE306KNPIR-F	1.91	2.91	6.75
600 Vdc (330 Vac) - Paper Dielectric				
.50	OTBF504KNPIR-F	1.31	2.16	2.13
1.0	OTBF105KNPIR-F	1.31	2.16	2.13
2.0	OTBF205KNPIR-F	1.31	2.16	2.13
3.0	OTBF305KNPIR-F	1.31	2.16	2.38
4.0	OTBF405KNPIR-F	1.31	2.16	2.63
5.0	OTBF505KNPIR-F	1.31	2.16	3.13
6.0	OTBF605KNPIR-F	1.31	2.16	3.88
8.0	OTBF805KNPIR-F	1.31	2.16	4.75
10.0	OTBF106KNPIR-F	1.91	2.91	3.13
12.0	OTBF126KNPIR-F	1.91	2.91	3.88
15.0	OTBF156KNPIR-F	1.91	2.91	4.25
20.0	OTBF206KNPIR-F	1.91	2.91	5.75
25.0	OTBF256KNPIR-F	1.91	2.91	6.75
30.0	OTBF306KNPIR-F	1.97	3.66	6.25
35.0	OTBF356KNPIR-F	1.97	3.66	7.25
1000 Vdc (440 Vac) - Paper Dielectric				
.10	OTBG104KNPIR-F	1.31	2.16	2.13
.25	OTBG254KNPIR-F	1.31	2.16	2.13
.50	OTBG504KNPIR-F	1.31	2.16	2.13
1.0	OTBG105KNPIR-F	1.31	2.16	2.13
2.0	OTBG205KNPIR-F	1.31	2.16	2.63
3.0	OTBG305KNPIR-F	1.31	2.16	3.13
4.0	OTBG405KNPIR-F	1.31	2.16	4.25
5.0	OTBG505KNPIR-F	1.31	2.16	4.75
6.0	OTBG605KNPIR-F	1.91	2.91	3.13
8.0	OTBG805KNPIR-F	1.91	2.91	4.25
10.0	OTBG106KNPIR-F	1.91	2.91	4.75
12.0	OTBG126KNPIR-F	1.91	2.91	5.75
15.0	OTBG156KNPIR-F	1.91	2.91	7.25
20.0	OTBG206KNPIR-F	1.97	3.66	7.25
25.0	OTBG256KNPIR-F	1.97	3.66	9.00

Cap (µF)	Catalog Part Number	A (Inches)	B (Inches)	H (Inches)
1500 Vdc (660 Vac) - Film/Paper Dielectric				
.50	OTBH504KNPIR-F	1.31	2.16	2.13
1.0	OTBH105KNPIR-F	1.31	2.16	2.13
2.0	OTBH205KNPIR-F	1.31	2.16	3.13
3.0	OTBH305KNPIR-F	1.31	2.16	4.25
4.0	OTBH405KNPIR-F	1.91	2.91	3.13
5.0	OTBH505KNPIR-F	1.91	2.91	3.50
6.0	OTBH605KNPIR-F	1.91	2.91	4.25
8.0	OTBH805KNPIR-F	1.91	2.91	5.25
10.0	OTBH106KNPIR-F	1.97	3.66	5.25
12.0	OTBH126KNPIR-F	1.97	3.66	5.75
15.0	OTBH156KNPIR-F	1.97	3.66	6.75
2000 Vdc (700 Vac) - Film/Paper Dielectric				
.10	OTBJ104KNPIR-F	1.31	2.16	2.13
.25	OTBJ254KNPIR-F	1.31	2.16	2.13
.50	OTBJ504KNPIR-F	1.31	2.16	2.13
1.0	OTBJ105KNPIR-F	1.31	2.16	2.63
2.0	OTBJ205KNPIR-F	1.31	2.16	4.25
3.0	OTBJ305KNPIR-F	1.91	2.91	3.50
4.0	OTBJ405KNPIR-F	1.91	2.91	4.25
5.0	OTBJ505KNPIR-F	1.91	2.91	4.75
6.0	OTBJ605KNPIR-F	1.91	2.91	5.75
8.0	OTBJ805KNPIR-F	1.97	3.66	5.75
10.0	OTBJ106KNPIR-F	1.97	3.66	6.75
2500 Vdc (800 Vac) - Film/Paper Dielectric				
.50	OTBK504KNPIR-F	1.31	2.16	2.13
1.0	OTBK105KNPIR-F	1.91	2.91	2.88
2.0	OTBK205KNPIR-F	1.91	2.91	3.13
3.0	OTBK305KNPIR-F	1.91	2.91	4.25
4.0	OTBK405KNPIR-F	1.91	2.91	5.75
5.0	OTBK505KNPIR-F	1.91	2.91	6.75
6.0	OTBK605KNPIR-F	1.97	3.66	5.75
7.0	OTBK705KNPIR-F	1.97	3.66	6.75
8.0	OTBK805KNPIR-F	1.97	3.66	7.25
3000 Vdc (950 Vac) - Film/Paper Dielectric				
.10	OTBL104KNPIR-F	1.31	2.16	2.13
.25	OTBL254KNPIR-F	1.31	2.16	2.13
.50	OTBL504KNPIR-F	1.91	2.91	2.88
1.0	OTBL105KNPIR-F	1.91	2.91	2.88
2.0	OTBL205KNPIR-F	1.91	2.91	4.25
3.0	OTBL305KNPIR-F	1.91	2.91	5.75
4.0	OTBL405KNPIR-F	1.97	3.66	5.75
5.0	OTBL505KNPIR-F	1.97	3.66	6.75