

Oval and Round, Oil Filled, 70 °C, Metallized Polypropylene Capacitors



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).

Type MPF AC metallized polypropylene film dielectric capacitors offer a reliable option for alternating current applications. All devices are oil filled in metal cases with 4-prong quick disconnect terminals for easy assembly. These capacitors pack high capacitance and voltage capabilities into a small, light-weight package. The MPF is internally protected for fail-safe operation. These capacitors have extremely low DF that is ideal for AC motor-run applications.

Highlights

- Low DF
- Protected with a pressure sensitive interrupter
- Small size and light weight
- UL E71645
- CSA 219950
- Air conditioning and refrigeration applications
- Power factor correction
- Motors

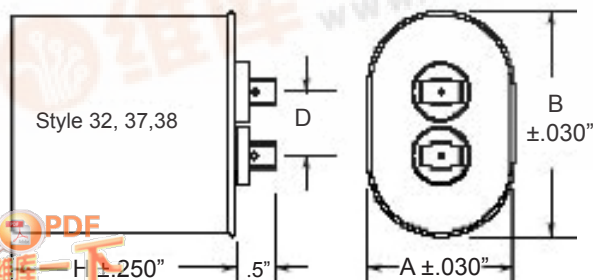
Specifications

Capacitance Range:	1 to 80 μ F
Voltage Ratings:	330 Vac, 370 Vac, 440 Vac
Capacitance Tolerance:	$\pm 10\%$
Operating Temperature Range:	-40 °C to +70 °C
Operating Frequency:	50 to 60 Hz
Dissipation Factor:	0.1% max @ 60 Hz

Outline Drawings

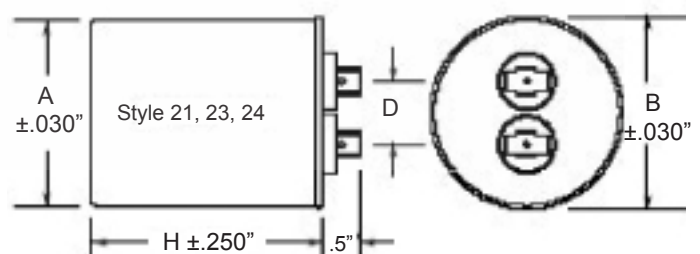
Oval				
Style	A	B	D	Industry Type
32	1 5/16"	2 5/32"	13/16"	1 1/4" Flat Oval
37	1 29/32"	2 29/32"	13/16"	1 3/4" Flat Oval
38	1 31/32"	3 21/32"	13/16"	2.0" Flat Oval

*See Ratings Table for "H" dimension



Round				
Style	A	B	D	Industry Type
21	1 3/4"	1 7/8"	13/16"	1 3/4" Round
23	2.0"	2 1/8"	13/16"	2.0" Round
24	2 1/2"	2 5/8"	13/16"	2 1/2" Round

*See Ratings Table for "H" dimension



Type MPF AC Motor Run Capacitors

Ratings

Oval					Round				
Cap (µF)	Volts (Vac)	Base Style	Height (In.)	Catalog Part Number	Cap (µF)	Volts (Vac)	Base Style	Height (In.)	Catalog Part Number
370 Vac					330 Vac				
1.0	370	32	2.13	32FD3701-F	3.0	330	23	2.63	23FD3303-F
2.0	370	32	2.13	32FD3702-F	4.0	330	23	2.63	23FD3304-F
3.0	370	32	2.13	32FD3703-F	5.0	330	23	2.63	23FD3305-F
4.0	370	32	2.13	32FD3704-F	6.0	330	23	2.63	23FD3306-F
5.0	370	32	2.38	32FD3705-F	7.0	330	23	2.63	23FD3307-F
6.0	370	32	2.38	32FD3706-F	8.0	330	23	2.63	23FD3308-F
7.5	370	32	2.38	32FD37075-F	10.0	330	23	2.63	23FD3310-F
10.0	370	32	2.63	32FD3710-F	370 Vac				
12.5	370	32	3.00	32FD37125-F	3.0	370	21	2.63	21FD3703-F
12.5	370	37	2.63	37FD37125-F	4.0	370	21	2.63	21FD3704-F
15.0	370	37	2.63	37FD3715-F	5.0	370	21	2.63	21FD3705-F
17.5	370	37	2.63	37FD37175-F	6.0	370	21	2.63	21FD3706-F
20.0	370	37	2.63	37FD3720-F	7.0	370	21	2.63	21FD3707-F
22.5	370	37	2.63	37FD37225-F	8.0	370	21	2.63	21FD3708-F
25.0	370	37	2.63	37FD3725-F	10.0	370	21	2.63	21FD3710-F
27.5	370	38	3.00	38FD37275-F	12.5	370	21	2.63	21FD37125-F
30.0	370	37	3.00	37FD3730-F	15.0	370	21	2.63	21FD3715-F
30.0	370	38	3.00	38FD3730-F	17.5	370	21	2.63	21FD37175-F
35.0	370	37	3.75	37FD3735-F	20	370	21	2.63	21FD3720-F
35.0	370	38	3.00	38FD3735-F	25	370	21	3.00	21FD3725-F
40.0	370	37	3.75	37FD3740-F	25	370	23	3.00	23FD3725-F
40.0	370	38	3.00	38FD3740-F	30	370	21	3.00	21FD3730-F
45.0	370	37	3.75	37FD3745-F	30	370	23	3.00	23FD3730-F
45.0	370	38	3.00	38FD3745-F	35	370	21	3.75	21FD3735-F
50.0	370	38	3.00	38FD3750-F	35	370	23	3.00	23FD3735-F
70.0	370	38	3.75	38FD3770-F	40	370	21	3.75	21FD3740-F
440 Vac					40	370	23	3.00	23FD3740-F
1.0	440	32	2.13	32FB4401-F	45	370	23	3.75	23FD3745-F
2.0	440	32	2.13	32FB4402-F	45	370	24	3.00	24FD3745-F
3.0	440	32	2.38	32FB4403-F	50	370	23	3.75	23FD3750-F
4.0	440	32	2.38	32FB4404-F	50	370	24	3.00	24FD3750-F
5.0	440	32	2.63	32FB4405-F	55	370	23	3.75	23FD3755-F
6.0	440	32	2.63	32FB4406-F	55	370	24	3.00	24FD3755-F
7.5	440	32	2.63	32FB44075-F	60	370	23	3.75	23FD3760-F
7.5	440	37	2.63	37FB44075-F	60	370	24	3.00	24FD3760-F
10.0	440	32	3.75	32FB4410-F	65	370	24	3.75	24FD3765-F
10.0	440	37	2.63	37FB4410-F	70	370	24	3.75	24FD3770-F
12.5	440	37	2.63	37FB44125-F	80	370	24	4.75	24FD3780-F
15.0	440	37	2.63	37FB4415-F	440 Vac				
17.5	440	37	2.63	37FB44175-F	15	440	21	2.63	21FB4415-F
20.0	440	37	3.00	37FB4420-F	20	440	21	3.00	21FB4420-F
20.0	440	38	3.00	38FB4420-F	20	440	23	3.00	23FB4420-F
25.0	440	37	3.75	37FB4425-F	22.5	440	21	3.00	21FB44225-F
25.0	440	38	3.75	38FB4425-F	22.5	440	23	3.00	23FB44225-F
30.0	440	38	3.75	38FB4430-F	25	440	21	3.75	21FB4425-F
35.0	440	37	4.75	37FB4435-F	25	440	23	3.00	23FB4425-F
35.0	440	38	3.75	38FB4435-F	30	440	23	3.75	23FB4430-F
40.0	440	37	4.75	37FB4440-F	30	440	24	3.00	24FB4430-F
40.0	440	38	3.75	38FB4440-F	35	440	23	3.75	23FB4435-F
45.0	440	38	3.75	38FB4445-F	35	440	24	3.00	24FB4435-F
50.0	440	38	3.75	38FB4450-F	40	440	23	3.75	23FB4440-F
55.0	440	38	4.75	38FB4455-F	40	440	24	3.75	24FB4440-F
60.0	440	38	4.75	38FB4460-F	45	440	24	3.75	24FB4445-F
					50	440	24	3.75	24FB4450-F
					55	440	24	3.75	24FB4455-F
					60	440	24	4.75	24FB4460-F
					70	440	24	4.75	24FB4470-F

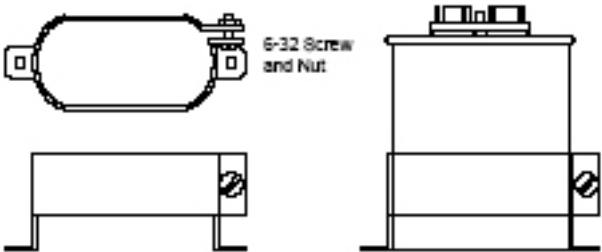
Type MPF AC Motor Run Capacitors

Hardware for Round and Oval Metals Cans

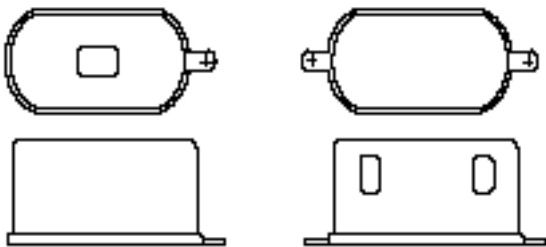
Oval Capacitor Hardware

Mounting Brackets #32107

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



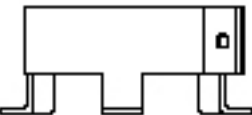
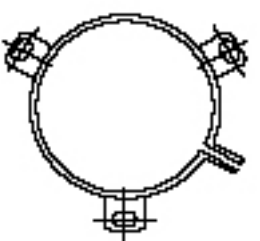
Insulating Terminal Boots UL Approved Material



Round Capacitor Hardware

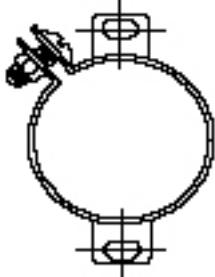
3 Footed Round Mounting Bracket

Case Code	Bracket
P	VR6B
S	VR8B
T	VR10B



2 Footed Round Mounting Bracket

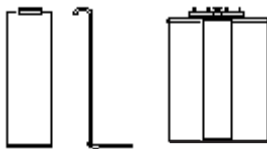
Case Code	Bracket
P	32107-6
S	32107-7
T	32107-8



End Mount Footed Bracket (2 required) #30434



Side Mount Footed Bracket (2 required) #31762

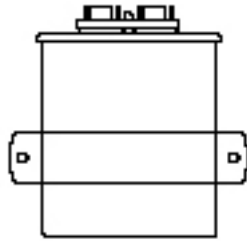


H (Inches)	End Mount	Side Mount
2.13	30434-33	31762-45
2.38	30434-37	31762-46
2.63	34434-41	31762-47
2.88	34434-45	31762-48
3.13	34434-49	31762-49
3.50	34434-55	31762-50
3.75	34434-59	31762-83
3.88	34434-61	31762-51
4.25	34434-67	31762-52
4.75	34434-75	31762-54
5.13	34434-81	31762-132
5.25	34434-83	31762-55
5.75	34434-91	31762-56
6.25	34434-99	31762-59
6.75	34434-107	31762-60
7.25	34434-115	31762-62
8.00	34434-127	31762-63
9.00	34434-143	31762-78

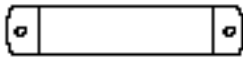
Wrap Around Bracket



Case Code	Bracket
A	30393-5
C	30393-9
D	OB3



Wrap Around Bracket



Case Code	Bracket
P	RB175
S	RB200
T	RB250