Type SF Lighting Capacitors, 90 °C Rated, Oil Filled

AC Rated, Oil Filled/Impregnated, Metallized Polypropylene Capacitors



For better performance in HID Lighting and HV Ballasts, Type SF oval and round oil filled metallized polypropylene lighting capacitors are built for operating in the high temperature environments for high intensity discharge (HID) lighting and other high voltage ballast applications. Each HID catalog capacitor includes an external resistor that discharges the capacitor to less than 50V in one minute, and the oil filled process assures better reliability than dry capacitors.

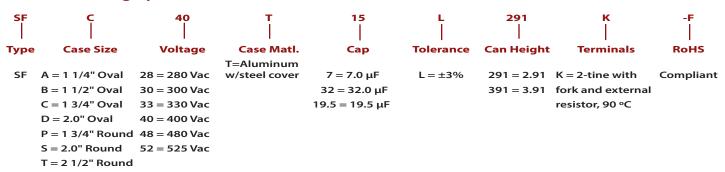
Highlights

- Casing: aluminum
- Paint: (U. L. recognized) optional
- Meets EIA Standard EIA-456-A

Specifications Click here to view hardware

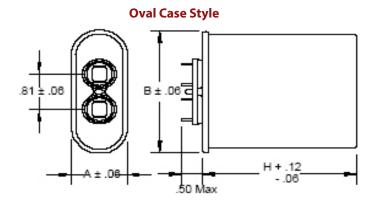
Capacitance Range	5.0 μF to 55 μF	
Capacitance Tolerance	±3%	
Rated Voltage	280 Vac to 525 Vac, other voltages available	
Operating Temperature Range with Ripple −40 °C to +90 °C		
Operating Frequency 50 - 60 Hz		
RoHS Compliant		

Part Numbering System



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Oval	Dimensions (Inches)			
Case Code	A B H			
Α	1.31	2.16	See Ratings Table	
В	1.56	2.69	See Ratings Table	
С	1.91	2.91	See Ratings Table	
D	1.97	3.66	See Ratings Table	

Construction Details		
Case Material Aluminum		
Encapsulation Environmentally Safe Dielectric Fluid		
Terminal Material	Tin Plated Steel	

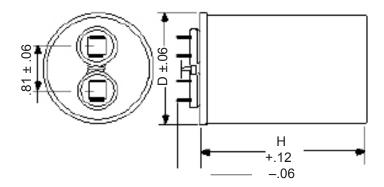
Oval Ratings

Cap.	Case	Aluminum Catalog	Н	
(μ F)	Code	Part Number	(inches)	
		280V		
5.0	Α	SFA28T5L156K-F	1.56	
7.0	Α	SFA28T7L156K-F	1.56	
10.0	Α	SFA28T10L288K-F	2.88	
12.0	Α	SFA28T12L288K-F	2.88	
14.0	Α	SFA28T14L288K-F	2.88	
17.5	C	SFC28T17.5L291K-F	2.91	
20.0	C	SFC28T20L291K-F	2.91	
35.0	C	SFC28T35L291K-F	2.91	
48.0	C	SFC28T48L391K-F	3.91	
55.0	С	SFC28T55L391K-F	3.91	
		300V		
10.0	Α	SFA30T10L288K-F	2.88	
12.0	Α	SFA30T12L288K-F	2.88	
14.0	Α	SFA30T14L288K-F	2.88	
16.0	C	SFC30T16L291K-F	2.91	
20.0	С	SFC30T20L291K-F	2.91	
		330V		
22.5	C	SFC33T22.5L291K-F	2.91	
24.0	C	SFC33T24L291K-F	2.91	
26.0	C	SFC33T26L291K-F	2.91	
28.0	C	SFC33T28L291K-F	2.91	
30.0	С	SFC33T30L291K-F	2.91	
	400V			
10.0	Α	SFA40T10L288K-F	2.88	
15.0	C	SFC40T15L291K-F	2.91	
19.5	C	SFC40T19.5L291K-F	2.91	
20.5	C	SFC40T20.5L291K-F	2.91	
24.0	С	SFC40T24L391K-F	3.91	
480V				
12.0	C	SFC48T12L291K-F	2.91	
15.0	C	SFC48T15L291K-F	2.91	
18.0	C	SFC48T18L291K-F	2.91	
19.0	C	SFC48T19L291K-F	2.91	
21.0	С	SFC48T21L391K-F	3.91	
24.0	С	SFC48T24L391K-F	3.91	
	525V			
16.0	C	SFC52T16L391K-F	3.91	
26.0	D	SFD52T26L391K-F	3.91	
32.0	D	SFD52T32L391K-F	3.91	

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Round Case Style



Case Code	D (Inches)	Н	
Р	1.87	See Ratings Table	
S	2.12	See Ratings Table	
Т	2.62	See Ratings Table	

Construction Details		
Case Material Aluminum		
Encapsulation	Enviromentally Safe Dielectric Fluid	
Terminal Material	Tin Plated Steel	

Round Ratings

Cap.	Case	Aluminum Catalog	н
(μF)	Code	Part Number	
		280V	
5.0	Р	SFP28T5L238K-F	2.38
7.0	Р	SFP28T7L238K-F	2.38
10.0	Р	SFP28T10L238K-F	2.38
12.0	Р	SFP28T12L238K-F	2.38
14.0	Р	SFP28T14L238K-F	2.38
17.5	Р	SFP28T17.5L238K-F	2.38
20.0	Р	SFP28T20L284K-F	2.84
35.0	Р	SFP28T35L284K-F	2.84
48.0	Р	SFP28T48L384K-F	3.84
55.0	S	SFS28T55L384K-F	3.84
		300V	
10.0	Р	SFP30T10L238K-F	2.38
12.0	Р	SFP30T12L238K-F	2.38
14.0	Р	SFP30T14L238K-F	2.38
16.0	Р	SFP30T16L238K-F	2.38
20.0	Р	SFP30T20L238K-F	2.38
		330V	
22.5	Р	SFP33T22.5L284K-F	2.84
24.0	Р	SFP33T24L284K-F	2.84
26.0	Р	SFP33T26L284K-F	2.84
28.0	Р	SFP33T28L284K-F	2.84
30.0	Р	SFP33T30L284K-F	2.84
		400V	
10.0	Р	SFP40T10L284K-F	2.84
15.0	Р	SFP40T15L284K-F	2.84
19.5	Р	SFP40T19.5L284K-F	2.84
20.5	Р	SFP40T20.5L284K-F	2.84
24.0	Р	SFP40T24L384K-F	3.84
480V			
12.0	Р	SFP48T12L284K-F	2.84
15.0	Р	SFP48T15L284K-F	2.84
18.0	S	SFS48T18L291K-F	2.91
19.0	S	SFS48T19L291K-F	2.91
21.0	S	SFS48T21L291K-F	2.91
24.0	Р	SFP48T24L384K-F	3.84
		525V	
16.0	S	SFS52T16L291K-F	2.91
26.0	Т	SFT52T26L391K-F	3.91
32.0	Т	SFT52T32L391K-F	3.91

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