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

AC Rated, Oil Filled/Impregnated, Metallized Polypropylene Capacitors



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Specifications

Highlights

- Meets EIA Standard EIA-456-A
- Dual rated HID
- Dual or triple value caps for sign ballast

For better performance in HID Lighting and HV Ballasts, Type Z 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.

- UL-810 Fault current protection

Capacitance Range	5.0 μF to 65 μF	
Capacitance Tolerance	±3%	
Rated Voltage 240 Vac to 525 Vac		
Operating Temperature Range with Ripple	-40 °C to +90 °C	
Approval Certification	UL cUL	
RoHS Compliant		

Part Numbering System

	5 ,					
z 	73 	s 	40 	26 	M 	N
Туре	Can Size	Impregnant	Voltage Ratings	Capacitance Code	Voltage/ Capacity Descriptor	CDE Factory
Z	73 = 1.75" Rd 74 = 2" Rd 76 = 2.50" Rd 91 = 1.25" Oval 92 = 1.50" Oval 93 = 1.75" Oval 94 = 2.00" Oval 81 = 30 mm Rd 83 = 40 mm Rd 84 = 45 mm Rd 85 = 50 mm Rd	S = Epoxidized Soy Bean Oil W = Dry w/ wire A = Dry w/ QC	33 = 330 VAC 40 = 400 VAC	26 = 26 μF 40 = 40 μF	90°C Full Life 100°C Full Life100°C Reduced Life	

Ratings

CAP (μF)	CD-AERO P/N	BASE SIZE	CAN HEIGHT Inches (mm)			
	240 VAC, 90°C Case Temperature					
35	Z92S2435MN	В	3.75 (95.3)			
40	Z92S2440MN	В	3.75 (95.3)			
45	Z92S2445MN	В	3.75 (95.3)			
52	Z92S2452MN	В	3.75 (95.3)			
55	Z92S2455MN	В	3.75 (95.3)			
	300 VAC, 90°C	Case Temperatu	ıre			
5	Z91S3005MN	А	2.19 (55.6)			
6	Z91S3006MN	Α	2.19 (55.6)			
12	Z91S3012MN	Α	2.88 (73.2)			
14	Z92S3014MN	В	2.75 (69.9)			
28	Z93S3028MN	С	3.13 (79.5)			

CAP (μF)	CD-AERO P/N	BASE SIZE	CAN HEIGHT Inches (mm)			
	300 VAC, 90°C Case Temperature					
40	Z93S3040MN	С	3.25 (82.6)			
55	Z93S3055MN	С	3.88 (98.6)			
64	Z93S3064MN	С	4.25 (108)			
	330 VAC, 90°C	Case Temperatu	ıre			
7	Z91S3307MN	А	2.19 (55.6)			
8	Z91S3308MN	A	2.19 (55.6)			
10	Z91S3310MN	A	2.69 (68.3)			
12	12 Z91S3312MN A		2.88 (73.2)			
14 Z91S3314MN A 2.88 (73.2)						
16	Z91S3316MN	А	3.75 (95.3)			
17.5	Z92S3317NN	В	3.13 (79.5)			

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Oil-Filled, Oval Metal Case

Rated for 60,000 hours

26

26

32

32

Z93S5226NN

Z94S5226NN

Z93S5232NN

Z94S5232NN

CAN HEIGHT CAP (µF) CD-AERO P/N **BASE SIZE** Inches (mm) 330 VAC, 90°C Case Temperature Z93S3324MN C 24 2.75 (69.9) C 26 Z93S3326MN 3.13 (79.5) C 29 Z93S3329MN 3.13 (79.5) 30 C Z93S3330MN 3.13 (79.5) Z93S3334MN C 34 3.13 (79.5) C 35 Z93S3335MN 3.13 (79.5) 48 Z93S3348MN C 3.88 (98.6) 400 VAC, 90°C Case Temperature Z92S4010MN 10 2.75 (69.9) Z93S4015MN C 15 2.75 (69.9) Z93S4021MN C 21 3.13 (79.5) 22.5 Z93S4022NN C 3.13 (79.5) 24 Z93S4024MN C 3.13 (79.5) 480 VAC, 90°C Case Temperature 3 Z91S4803MN 2.25 (57.2) 4 Z91S4804MN Α 2.69 (68.3) 5 Z91S4805MN Α 2.88 (73.2) Z92S4806MN В 2.75 (69.9) 10 Z92S4810MN В 2.75 (69.9) C 12 Z93S4812MN 3.13 (79.5) В 15 Z92S4815MN 3.75 (95.3) 20 Z93S4820MN C 3.75 (95.3) C 21 Z93S4821MN 3.75 (95.3) C 22 Z93S4822MN 3.88 (98.6) 3.88 (98.6) 24 Z93S4824PN C C 26 Z93S4826MN 3.88 (98.6) 28 Z93S4828PN 3.88 (98.6) 525 VAC, 90°C Case Temperature C 16 Z93S5216NN 3.13 (79.5) C 24 Z93S5224NN 4.25 (108.0)

CAP (μF)	CD-AERO P/N	BASE SIZE	CAN HEIGHT Inches (mm)	VAC
	400-525 VAC, 100°	C Case Tempe	rature	
24	Z94S4024BN	D	3.25 (82.6)	400
24	Z94S4824BN	D	3.75 (95.3)	480
21	Z94S5221JN	D	3.75 (95.3)	525
26	Z94S5226JN	D	3.75 (95.3)	525

C

D

C

D

Oil-Filled, Round Metal Case

Rated for 60,000 hours

CAP (μF)	CD-AERO P/N	BASE SIZE	CAN HEIGHT Inches (mm)			
300 VAC, 90°C Case Temperature						
8	Z73S3008MN	Р	2.17 (55.1)			
14	Z73S3014MN	Р	2.38 (60.5)			
22.5	Z73S3022NN	Р	2.88 (73.2)			
	330 VAC, 90°0	C Case Temperatur	e			
5	Z73S3305MN	Р	2.25 (57.2)			
7	Z73S3307MN	Р	2.88 (73.2)			
12	Z73S3312MN	Р	2.38 (60.5)			
14	Z73S3314MN	Р	2.88 (73.2)			
28	Z73S3328MN	Р	3.15 (80.0)			
	400 VAC, 90°C C	ase Temperature \	/AC			
10	Z73S4010MN	Р	2.38 (60.5)			
15	Z73S4015MN	Р	2.88 (73.2)			
22.5	Z73S4022NN	Р	3.75 (95.3)			
24	Z73S4024MN	Р	3.75 (95.3)			
	480 VAC, 90°0	C Case Temperatur	e			
10	Z73S4810MN	P	2.88 (73.2)			
24	Z74S4824MN	S	3.25 (82.6)			
24	Z76S4824MN	Т	3.15 (80.0)			
	525 VAC, 90°0	Case Temperatur	e			
26	Z74S5226NN	S	4.75 (120.7)			
32	Z74S5232NN	S	4.92 (125.0)			
32	Z76S5232NN	т	3.55 (90.2)			

CAP (μF)	CD-AERO P/N	BASE SIZE	CAN HEIGHT Inches (mm)	VAC
	400-480 VAC, 100°	C Case Tempe	rature	
10	Z73S4010BN	Р	2.38 (60.5)	400
15	Z73S4015BN	Р	3.25 (82.6)	400
24	Z74S4024BN	S	3.75 (95.3)	400
24	Z74S4824BN	S	4.25 (108.0)	480

4.25 (108.0)

2.88 (73.2)

4.75 (120.7)

3.75 (95.3)

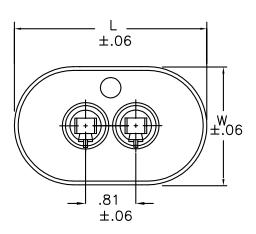
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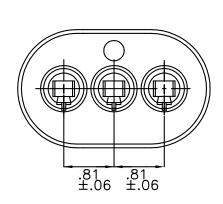
Oval Oil-Filled Case Sizes

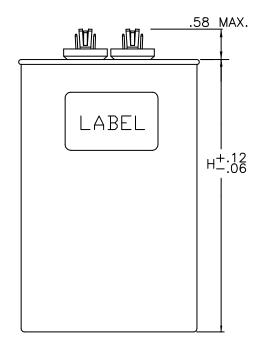
Base Size	Description	L Inches	W Inches
А	1¼" Oval	2.16	1.31
В	1½" Oval	2.69	1.56
С	1¾" Oval	2.91	1.91
D	2" Oval	3.66	1.97

Oval Single Cover Configuration



Oval Dual Cover Configuration



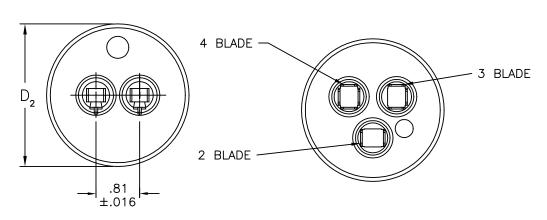


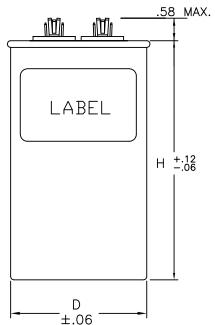
Round Oil-Filled Case Sizes

Base Size	Description	D Inches	D ₂ Inches
Р	1¾" Round	1.75	1.87
S	2" Round	2.00	2.12
Т	2½" Round	2.50	2.62

Round Single Cover Configuration

Round Dual Cover Configuration





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