

# Type D8 AC Rated 105 °C Dry HID Lighting Capacitors

## Round Plastic Case, Insulated Stranded Wire Leads, Metallized Polypropylene

Type D8 dry capacitors are ideal for lighting applications. The dry construction eliminates the possibility of any oil leaking from the capacitor. Type D8 is a 60,000 hour life capacitor packaged in a round plastic case with long insulated stranded wire leads for easy connection.



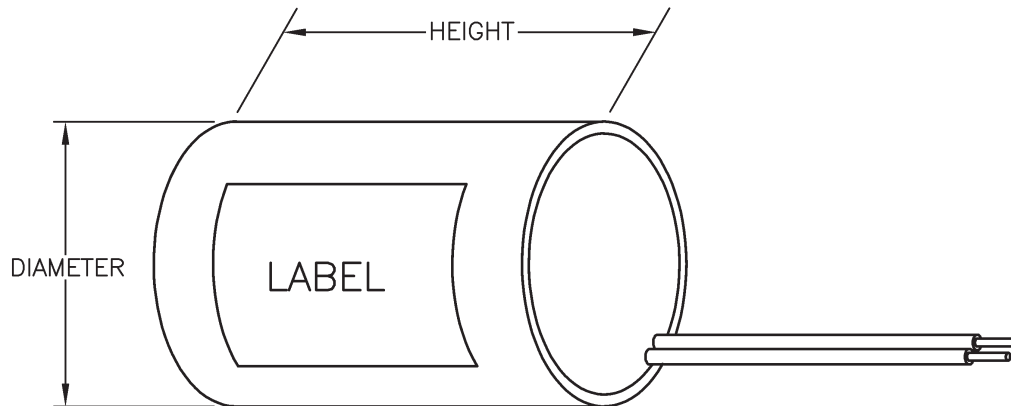
### Highlights:

- Dry construction- UL94V0 dry resin filled
- 60,000 hours life at rated voltage, 105 °C
- Inherently safe - self healing metallized film
- Mounting hardware available
- 94V0 plastic case and insulated stranded wire leads
- No exposed live parts
- No grounding required
- No clearance requirements
- Supplied with or without internal resistor

### Specifications

Capacitance Range	5 $\mu$ F to 62 $\mu$ F
Capacitance Tolerance	$\pm$ 3%
Rated Voltage	240, 280, 330, 400 Vac
Operating Temperature Range	-40 °C to +105 °C;
Operating Frequency	50/60 Hz
<a href="#">RoHS Compliant</a>	

### Outline Drawing



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## Part Numbering System

CDE's part numbering system is a descriptive part number made of several different components such as can size, voltage rating, etc. The descriptors are explained below using D84W2456M as a representative part number:

<b>D</b>	<b>84</b>	<b>W</b>	<b>24</b>	<b>56</b>	<b>M</b>
Type	Can Size	Impregnant	Voltage Rating	Capacitance Code	Voltage / Capacity Discriptor
D	81 = 30 mm Rd 83 = 40 mm Rd 84 = 45 mm Rd 85 = 50 mm Rd	W = Dry w/ wire	24 = 240 Vac 28 = 280 Vac 33 = 330 Vac 40 = 400 Vac	56 = 56 µF	90°C Full Life 100°C Full Life 100°C Reduced Life

## Ratings

Cap. (µF)	Catalog Part Number	Can Height Inches/ mm
<b>240 VAC, 105°C Max Operating Case Temperature</b>		
14	D81W2414M	2.68 (68.1)
15	D81W2415M	2.68 (68.1)
17.5	D83W2417N	2.68 (68.1)
20	D83W2420M	2.68 (68.1)
22.5	D83W2422N	2.68 (68.1)
28	D83W2428M	2.68 (68.1)
30	D83W2430M	2.68 (68.1)
34	D83W2434M	3.62 (92.0)
35	D83W2435M	3.62 (92.0)
36	D83W2436M	3.62 (92.0)
40	D83W2440M	3.62 (92.0)
45	D83W2445M	3.62 (92.0)
48	D84W2448M	3.62 (92.0)
52	D84W2452M	3.62 (92.0)
55	D84W2455M	3.62 (92.0)
56	D84W2456M	3.62 (92.0)
62	D84W2462M	3.62 (92.0)
<b>280 VAC, 105°C Max Operating Case Temperature</b>		
5	D81W2805M	2.17 (55.1)
6	D81W2806M	2.17 (55.1)
7	D81W2807M	2.17 (55.1)
8	D81W2808M	2.68 (68.1)
10	D81W2810M	2.68 (68.1)
12	D83W2812M	2.68 (68.1)
13	D83W2813M	2.68 (68.1)
14	D83W2814M	2.68 (68.1)
16	D83W2816M	2.68 (68.1)
17.5	D83W2817N	2.68 (68.1)
18.5	D83W2818N	2.68 (68.1)
20	D83W2820M	2.68 (68.1)

Cap. (µF)	Catalog Part Number	Can Height Inches/ mm
<b>280 VAC, 105°C Max Operating Case Temperature</b>		
21	D83W2821M	2.68 (68.1)
22	D83W2822M	2.68 (68.1)
22.5	D83W2822N	2.68 (68.1)
24	D83W2824M	3.62 (92.0)
24.5	D83W2824N	3.62 (92.0)
25	D83W2825M	3.62 (92.0)
35	D83W2835M	3.62 (92.0)
48	D84W2848M	3.62 (92.0)
56	D84W2856M	4.61 (117.1)
<b>330 VAC, 105°C Max Operating Case Temperature</b>		
5	D81W3305M	2.17 (55.1)
7	D81W3307M	2.68 (68.1)
8	D83W3308M	2.68 (68.1)
10	D83W3310M	2.68 (68.1)
12	D83W3312M	2.68 (68.1)
15	D83W3315M	2.68 (68.1)
16	D83W3316M	2.68 (68.1)
17.5	D83W3317N	3.62 (92.0)
26	D84W3326M	3.62 (92.0)
28	D84W3328M	3.62 (92.0)
45	D84W3345M	4.61 (117.1)
48	D85W3348M	4.61 (117.1)
<b>400 VAC, 105°C Max Operating Case Temperature</b>		
10	D83W4010M	3.62 (92.0)
12	D83W4012M	3.62 (92.0)
15	D83W4015M	3.62 (92.0)
18	D84W4018M	3.62 (92.0)
24	D84W4024M	4.61 (117.1)
30	D85W4030M	4.61 (117.1)

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