# Resistors

# Single-In-Line Conformal Coated Diode Array

**D Series**

- 4 to 14 Leads
- Standard and custom circuits
- Space saving design

✔ All parts are Pb-free and comply with EU Directive 2011/65/EU (RoHS2)

## Specification

| | |
|---|---|
| Reverse Voltage, $V_R$ | 80V |
| Reverse Current, $I_R$ | 1.0μA ($V_R$ = 70V) |
| Forward Current, $I_F$ | 100mA Average, 300mA Surge (1μs Max.) |
| Forward Voltage, $V_F$ | 1.2V @ $I_F$ = 100mA |
| Package Power, $P_{PKG}$ | 200mW @ 25°C |
| Reverse Recovery Time, $t_{rr}$ | 4ns ($V_R$ = 6V, $I_F$ = 5mA, $R_L$ = 50Ω) |
| Capacitance, C | 5.5pF ($V_R$ = 6V, f = 1MHz) |
| Storage Temperature Range | - 55°C to 125°C |
| Operating Temperature Range | - 25°C to 80°C |

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05.17

**D Series**

# Specification

| Circuit Type | Polarity "A" | Polarity "C" |
|---|---|---|
| 1<br>N = 4 to 14 |  |  |
| 2<br>N = 3 to 13<br>(Odd #) |  |  |
| 3<br>N = 4 to 14<br>(Even #) |  |  |
| 5<br>N = 4 to 14 |  |  |

**D Series**

## Outline Dimensions (Inch/mm)
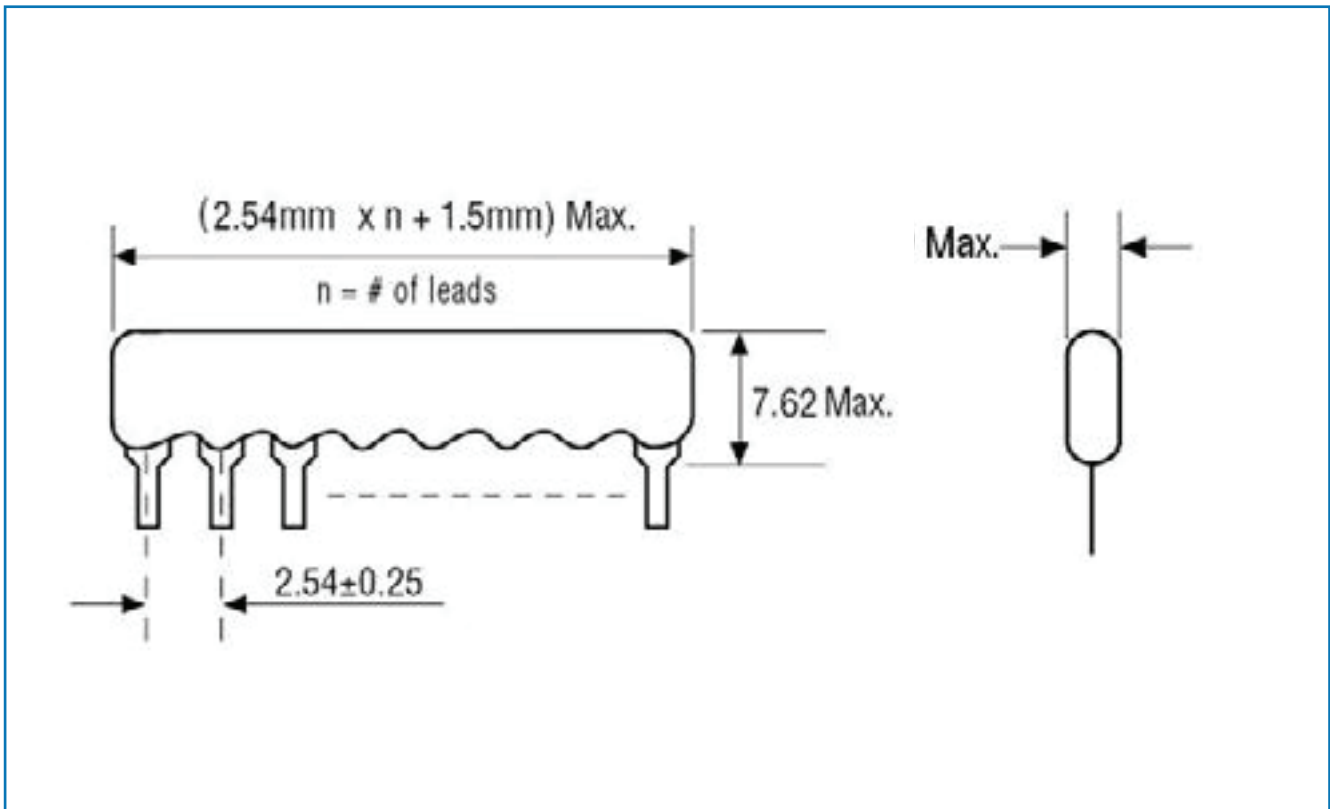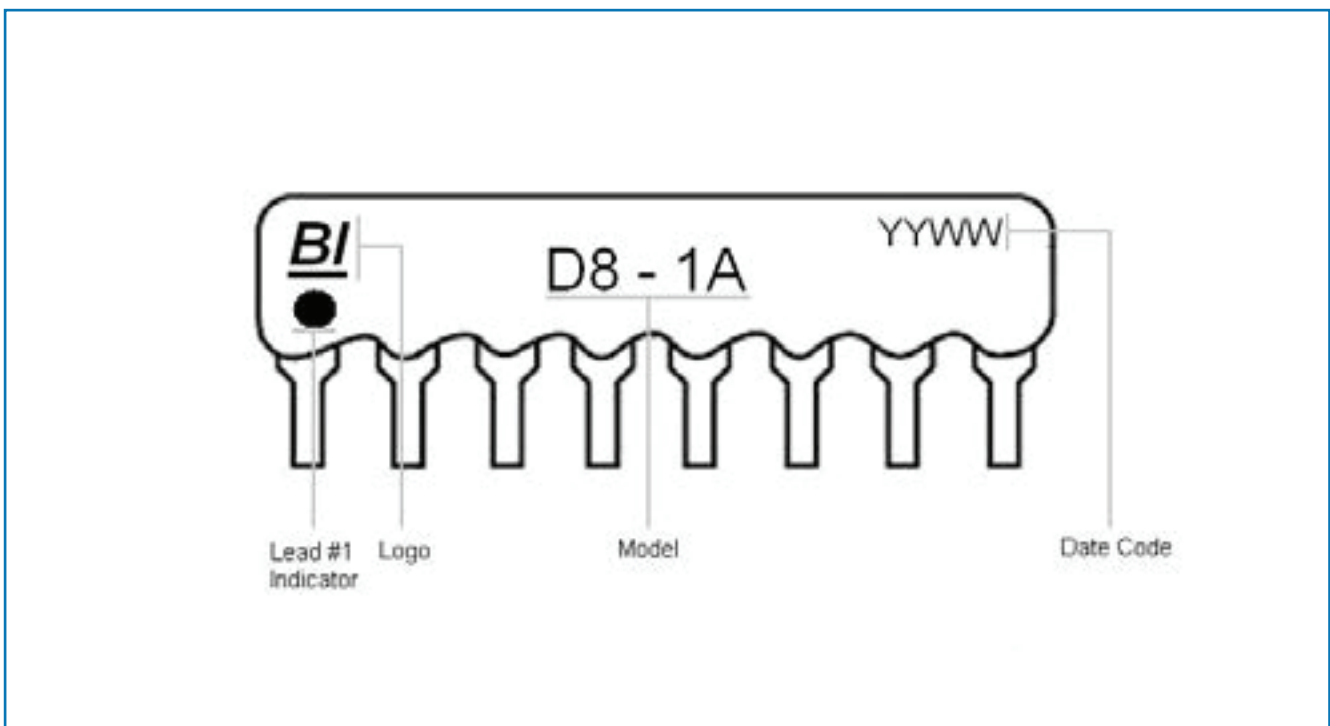
(2.54mm  x n + 1.5mm) Max.

n = # of leads

7.62 Max.

2.54±0.25

Max.

## Typical Part Marking

BI

D8 - 1A

YYWW

Lead #1
Indicator

Logo

Model

Date Code

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**D Series**

# Ordering Information

D  8 - 3  C

Model

Number of pins:
4 to 14

Circuit type:
1 = Bussed with pin 1 in common.
2 = Bussed with centered common.
3 = Isolated.
5 = Dual termination.

Polartity (see schematic)
A = Common Anode ( circuit 1, circuit 2)
Annode is at pin number 1 (circuit 3, circuit 5)

C = Common Cathode (circuit 1, circuit 2)
Cathode is at pin number 1 (circuit 3, circuit 5)
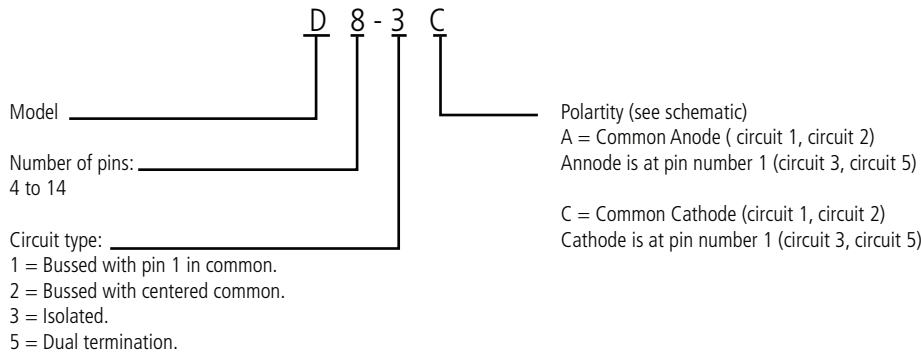
# Material

| Part | Material |
| --- | --- |
| Substrate | Alumina ceramic |
| Diode | Small mold package silicon expitaxial planar diode array |
| Termination | 100% Ag |
| Lead Pins | 100% Sn Plated steel |
| Junction and Lead Pin finish | 96%Sn, 3.5%Ag, 0.5%Cu |
| Conformal Coat | Expoxy resin, UL-94 V-0 rated |

# Packaging

All sizes of D series product are packed in boxes of 200 pieces.