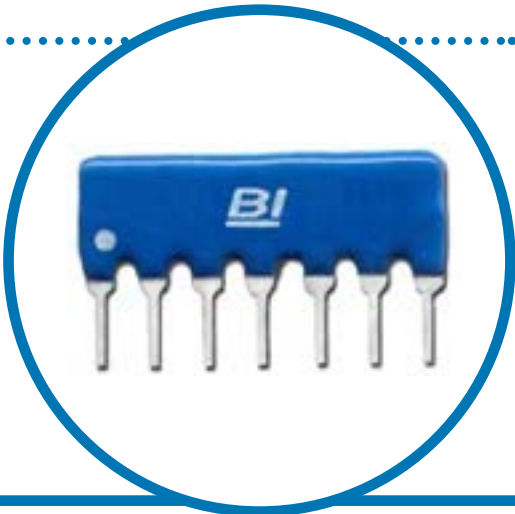


# Single-In-Line Conformal Coated Diode Array

D Series

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

Not Recommended for New Designs



## Specification

|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| Reverse Voltage, $V_R$          | 80V                                                 |
| Reverse Current, $I_R$          | 1.0 $\mu$ A ( $V_R = 70V$ )                         |
| Forward Current, $I_F$          | 100mA Average, 300mA Surge (1 $\mu$ s Max.)         |
| Forward Voltage, $V_F$          | 1.2V @ $I_F = 100mA$                                |
| Package Power, $P_{PKG}$        | 200mW @ 25°C                                        |
| Reverse Recovery Time, $t_{rr}$ | 4ns ( $V_R = 6V$ , $I_F = 5mA$ , $R_L = 50\Omega$ ) |
| 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                                      |

### General Note

TT electronics reserves the right to make changes in product specification without notice or liability.  
All information is subject to TT electronics' own data and is considered accurate at time of going to print.

Specification

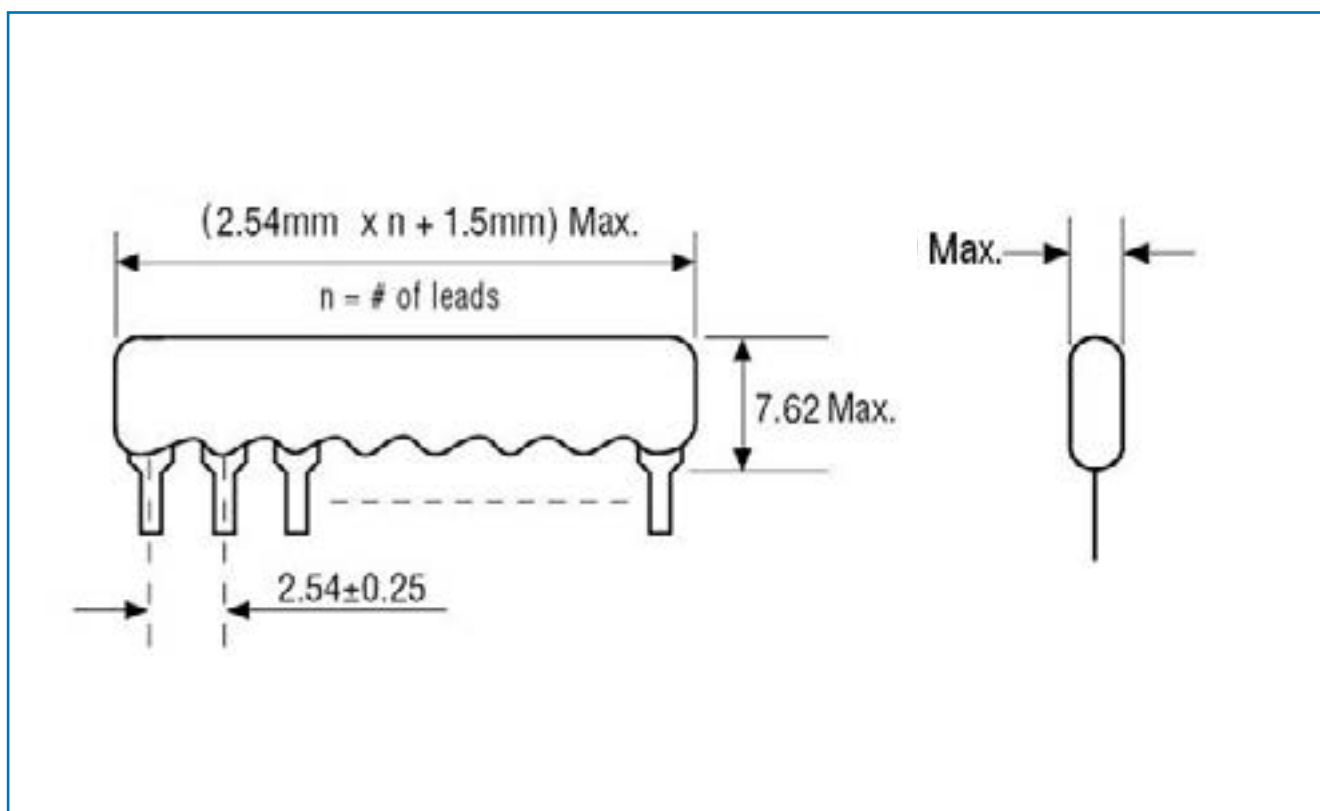
| Circuit Type                                 | Polarity "A" | Polarity "C" |
|----------------------------------------------|--------------|--------------|
| <div>1</div> <div>N = 4 to 14</div>          |              |              |
| <div>2</div> <div>N = 3 to 13 (Odd #)</div>  |              |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

General Note

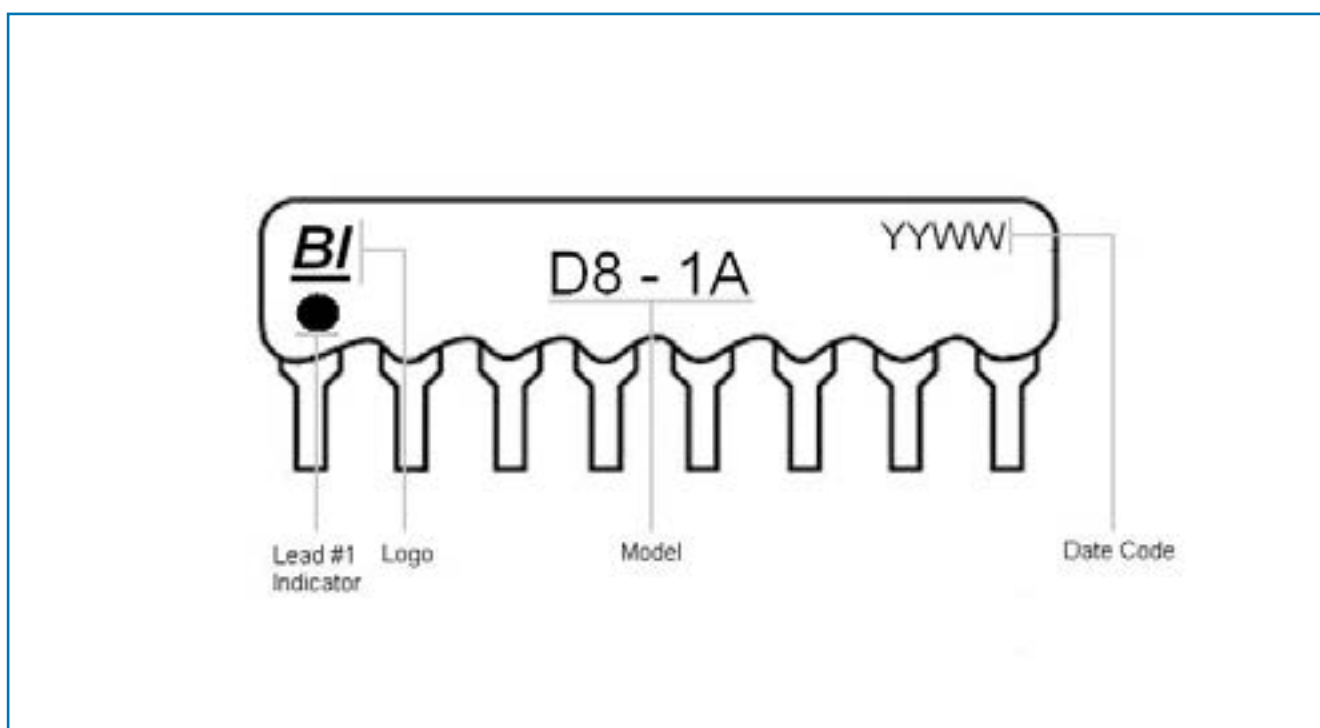
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## Outline Dimensions (Inch/mm)



## Typical Part Marking



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## 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.

Polarity (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               | Epoxy resin, UL-94 V-0 rated                             |

## Packaging

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

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