

# DIODE NETWORKS D SERIES

Single-In-Line

Conformal Coated

RoHS Compliant



## FEATURES

- 4 to 14 Leads
- Multiple circuit configurations
- Space saving design

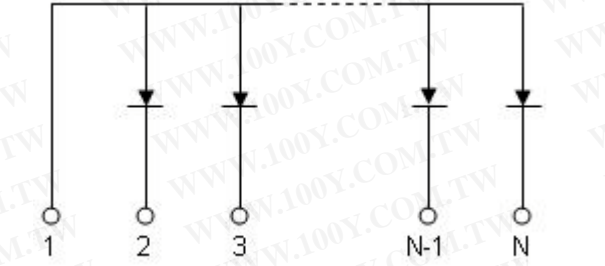
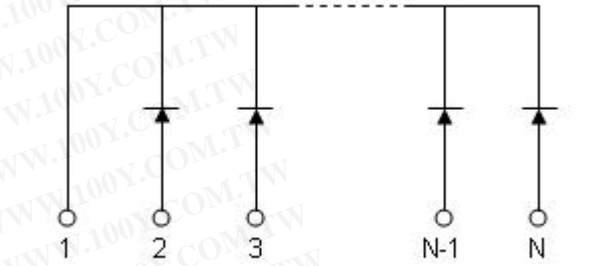
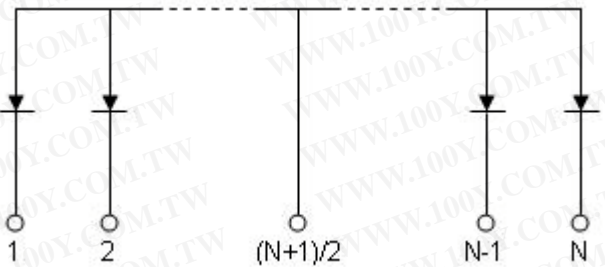
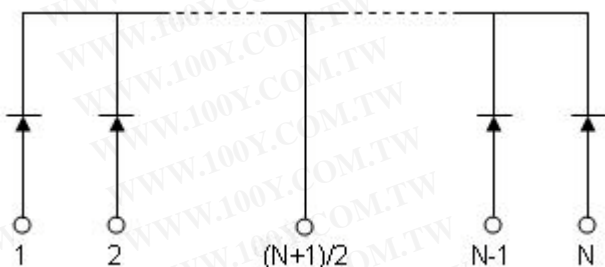
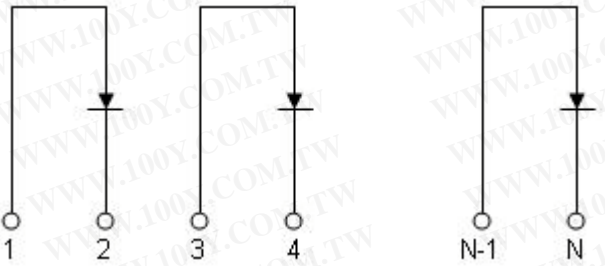
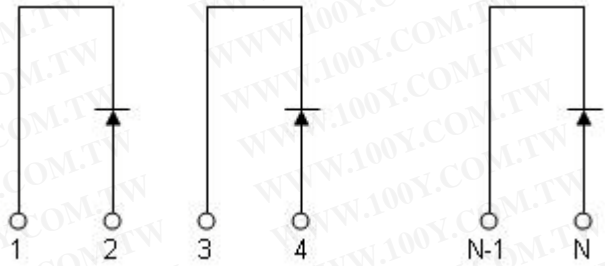
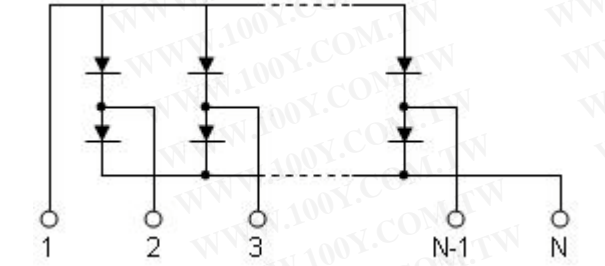
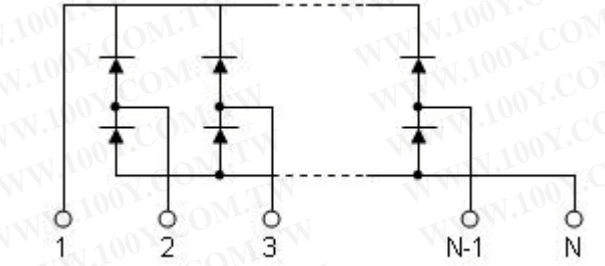
## SPECIFICATION

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

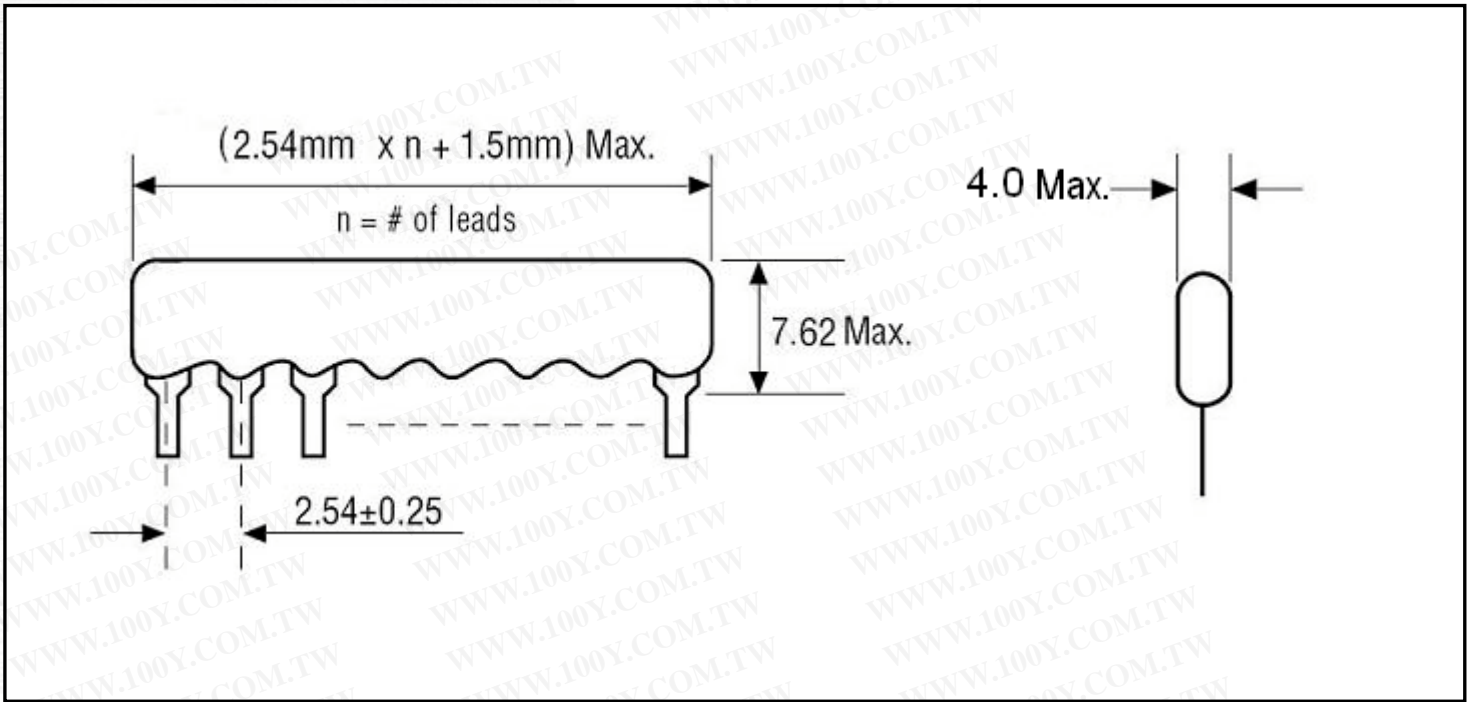
Specifications subject to change without notice.

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

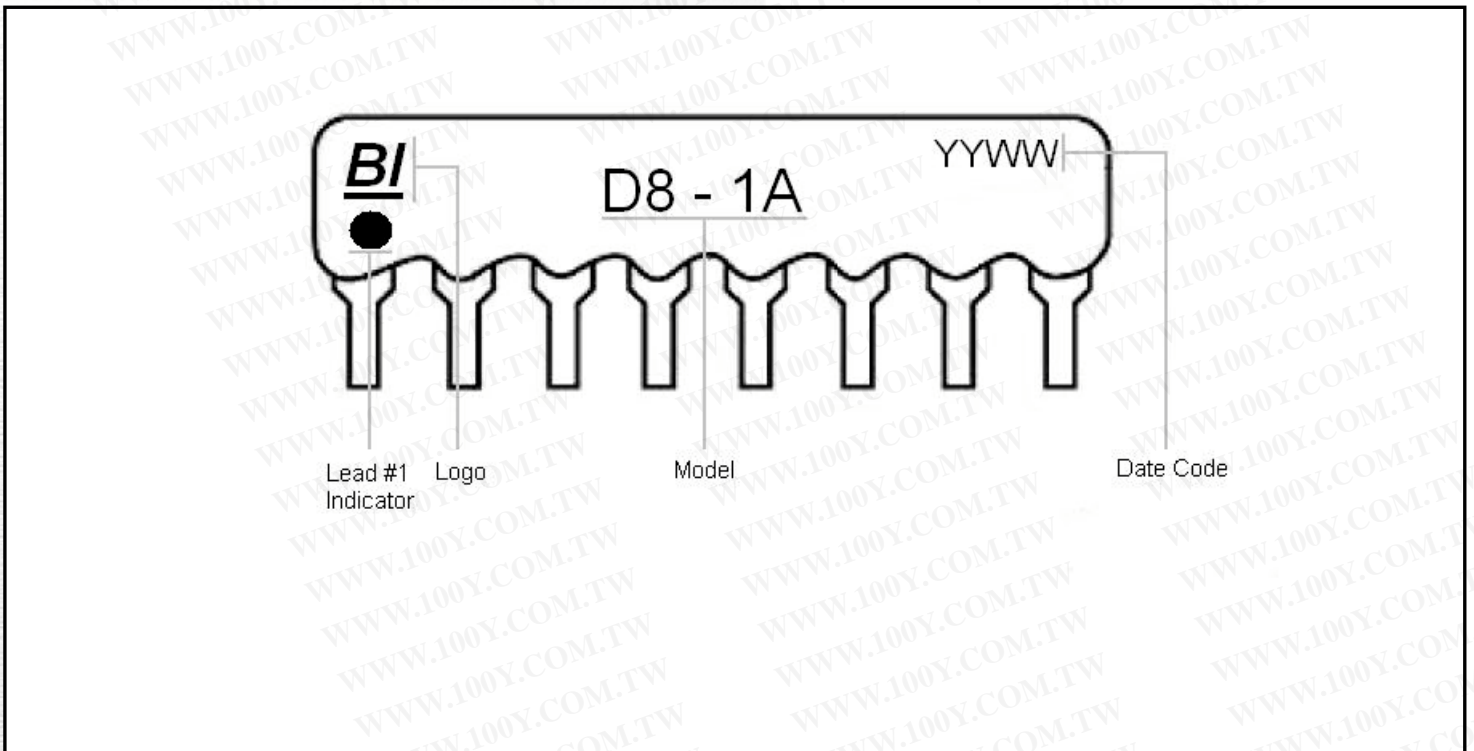
# SCHEMATICS

Circuit type	Polarity "A"	Polarity "C"
<p>1</p> <p>N = 4 to 14</p>		
<p>2</p> <p>N = 3 to 13 (Odd #)</p>		
<p>3</p> <p>N = 4 to 14 (Even #)</p>		
<p>5</p> <p>N = 4 to 14</p>		

## OUTLINE DIMENSIONS (mm)



## TYPICAL PART MARKING



## ORDERING INFORMATION

D 8 - 3 C  
(1) (2) (3) (4)

- (1) Model Series: D
- (2) Number of pins: 4 to 14
- (3) Circuit type:  
1 = Bussed with pin 1 in common.  
2 = Bussed with centered common.  
3 = Isolated.  
5 = Dual termination.
- (4) 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 epitaxial planner 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

Number of pins	Qty. per plastic bag	Qty. per box
3 to 6	100	1000
7 to 12	100	500
13 to 14	50	250

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