

# COMPUTER DIODE

## Switching

1N4149, 1N4151, 1N4154  
 1N4446, 1N4447, 1N4448  
 1N4449

### FEATURES

- Metallurgical Bond
- Planar Passivated
- DO-35

### DESCRIPTION

This series offers Metallurgical Bonding and is very popular for general purpose switching applications.

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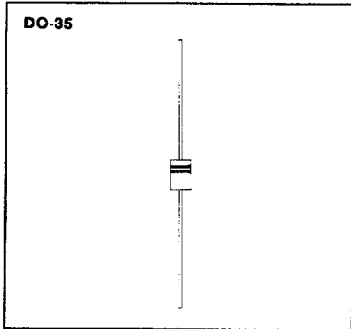
### ABSOLUTE MAXIMUM RATINGS, AT 25°C

	1N4149	1N4151	1N4154	1N4446	1N4447	1N4448	1N4449
Peak Reverse Voltage	.75V	.75V	.35V	.75V	.75V	.75V	.75V
Average Rectified Current	.200mA						
Surge Current, 8.3 mS	.500mA						
Operating Temperature Range	-65°C to +150°C						
Storage Temperature Range	-65°C to +200°C						

### ELECTRICAL SPECIFICATIONS (at 25°C unless noted)

Type	Peak Inverse Voltage	Forward Voltage					Reverse Current $V_R$ nA	Reverse Current @ 150°C $V_R$ $\mu$ A	Junction Capacitance @ 0V	Reverse Recovery Time $t_{RR}$
		@ 10mA	@ 20mA	@ 30mA	@ 50mA	@ 100mA				
1N4149	75	1.0	—	—	—	—	20 25	20 50	4pF	4nS
1N4151	75	—	—	—	1.0	—	50 50	50 50	4pF	2nS
1N4154	35	—	—	1.0	—	—	25 100	25 100	4pF	2nS
1N4446	75	—	1.0	—	—	—	20 25	20 50	4pF	4nS
1N4447	75	—	1.0	—	—	—	20 25	20 50	4pF	4nS
1N4448	75	—	—	—	—	1.0	20 25	20 50	4pF	4nS
1N4449	75	—	—	1.0	—	—	20 25	20 50	2pF	4nS

### MECHANICAL SPECIFICATIONS



**Microsemi Corp.**  
**Watertown**  
*The diode experts*