



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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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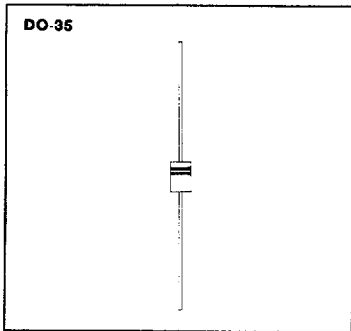
ABSOLUTE MAXIMUM RATINGS, AT 25°C

	1N4149	1N4151	1N4154	1N4446	1N4447	1N4448	1N4449
Peak Reverse Voltage	.75V	.75V	.35V	.75V	.75V	.75V	.75V
Average Rectified Current	.200mA dc						
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 μ 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