

# New Jersey Semi-Conductor Products, Inc.

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 U.S.A.

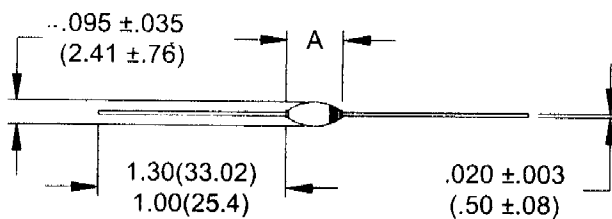
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## 1N6529 1N6531 1N6533 1N6535

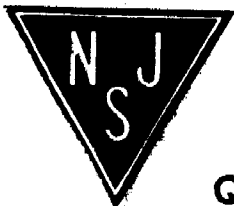
2,000V – 10,000V Rectifiers Axial Leaded Hermetically Sealed  
 25mA-250mA Forward Current  
 70ns Recovery Time

ELECTRICAL CHARACTERISTICS AND MAXIMUM RATINGS														
Part Number	Working Reverse Voltage (V <sub>rw</sub> )	Average Rectified Current (I <sub>o</sub> )		Reverse Current @ V <sub>rw</sub> (I <sub>r</sub> )		Forward Voltage (V <sub>f</sub> )		1 Cycle Surge Current I <sub>p</sub> =8.3ms (I <sub>fsm</sub> )	Repetitive Surge Current (I <sub>frm</sub> )	Reverse Recovery Time (3) (T <sub>rr</sub> )	Thermal Impedance θ <sub>J-L</sub>			Junction Cap. @50VDC (1kHz) (C <sub>j</sub> )
		55 °C(1)	100 °C(2)	25 °C	100 °C	25 °C		25 °C	25 °C	25 °C	L=000	L=.125	L=.250	25 °C
	Volts	Amps	Amps	µA	µA	Volts	mA	Amps	Amps	ns	°C/W	°C/W	°C/W	pF
1N6529	2000	0.250	0.125	0.1	10	3.0	25	10	1.50	70	18	30	50	4.0
1N6531	3000	0.100	0.050	0.1	10	7.0	25	8	1.25	70	18	30	50	2.0
1N6533	5000	0.050	0.025	0.1	10	9.0	25	4	0.75	70	18	30	50	1.0
1N6535	10000	0.025	0.012	0.1	10	14.0	25	2	0.38	70	18	30	50	0.5

(1)TL=55 °C L=0.375" (2)TL=100 °C L=0.375" (3)I<sub>f</sub>=12.5mA I<sub>r</sub>=25mA I<sub>rr</sub>=6.3mA • Op.Temp.= -65 °C to +175 °C Stg.Temp. = -65 °C to +200 °C



Part	A
1N6529	200(5.08) MAX .140(3.56) MIN.
1N6531	220(5.59) MAX .160(4.06) MIN.
1N6533	240(6.10) MAX .180(4.57) MIN.
1N6535	300(7.62) MAX .240(6.10) MIN.



Quality Semi-Conductors