

New Jersey Semi-Conductor Products, Inc.

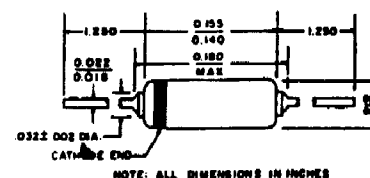
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1N4451
1N4607,8

absolute maximum ratings: (25°C)-

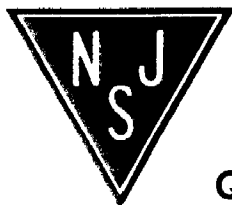
	1N4451	1N4607	1N4608	
Voltage				
Reverse	30	70	70	Volts
Current				
Average Rectified	200			mA
Recurrent Peak Forward	600			mA
Forward Steady-State DC	250			mA
Peak Forward Surge (1 μsec. pulse)	4			Amps
Power				
Dissipation*	500			mW
Temperature				
Operating	-65 to +200			°C
Storage	-65 to +200			°C



*Derate 2.55 mW/°C for ambient temperatures above 25°C based on a maximum junction temperature of 200°C.

electrical characteristics: (25°C) (unless otherwise specified)

		1N4451		1N4607		1N4608		
Forward Voltage		Min.	Max.	Min.	Max.	Min.	Max.	
(I _F = 100μA)	V _F	400	500	390	500	390	490	mV
(I _F = 1mA)	V _F	510	610	500	610	500	600	mV
(I _F = 10mA)	V _F	620	720	610	720	610	710	mV
(I _F = 100mA)†	V _F	750	875	740	870	740	850	mV
(I _F = 250mA)†	V _F			810	950	810	930	mV
(I _F = 300mA)†	V _F		1000					mV
(I _F = 350mA)†	V _F				1000	840	960	mV
(I _F = 400mA)†	V _F				1100			mV
(I _F = 450mA)†	V _F						1000	mV
(I _F = 500mA)†	V _F						1100	mV
Breakdown Voltage								
(I _S = 5μA)	B _V	40						Volts
(I _S = 100μA)	B _V			85		85		Volts



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Quality Semi-Conductors