

New Jersey Semi-Conductor Products, Inc.

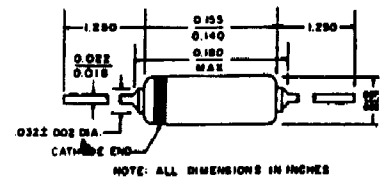
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1N4451
1N4607,8

absolute maximum ratings: (25°C)-

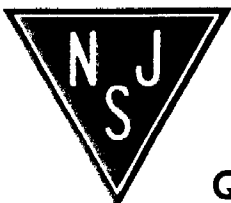
	1N4451	1N4607	1N4608	
Voltage				
Reverse	30	70	70	Volts
Current				
Average Rectified	← 200 →			mA
Recurrent Peak Forward	← 600 →			mA
Forward Steady-State DC	← 250 →			mA
Peak Forward Surge (1 μsec. pulse)	← 4 →			Amps
Power				
Dissipation*	← 500 →			mW
Temperature				
Operating	← -65 to +200 →		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



*Derate 2.25 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			
		Min.	Max.	Min.	Max.	Min.	Max.		
Forward Voltage	(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