New Jersey Semi-Conductor Products, Inc.

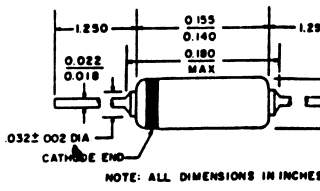
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1N4451
1N4607,8

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 2.85 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								
($I_F = 100\mu A$)	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								
($I_R = 5\mu A$)	B_V	40						Vol
($I_R = 100\mu A$)	B_V			85		85		Vol

