

New Jersey Semi-Conductor Products, Inc.

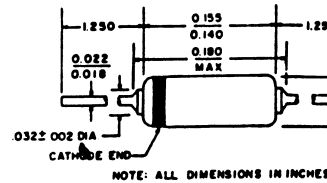
20 STERN AVE.
SPRINGFIELD, NEW JERSEY 07081
U.S.A.

1N4451
1N4607,8

TELEPHONE: (201) 376-
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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		
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 _R = 5μA)	B _V	40						Vol
(I _R = 100μA)	B _V			85		85		Vol

