

New Jersey Semi-Conductor Products, Inc.

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

TELEPHONE: (973) 376-2922  
 (212) 227-6005  
 FAX: (973) 376-8960

**1N3282 thru 1N3286**

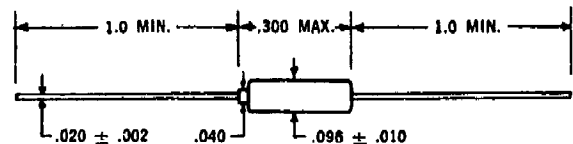
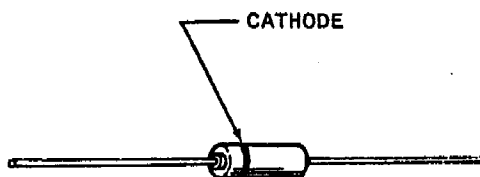
**HIGH VOLTAGE GLASS RECTIFIERS**

**MAXIMUM RATINGS**

Rating	Symbol	1N3282	1N3283	1N3284	1N3285	1N3286	Unit
Peak Reverse Voltage	PRV	1000	1500	2000	2500	3000	Volts
RMS Reverse Voltage	$V_r$	700	1050	1400	1750	2100	Volts
Average Half-Wave Rectified Forward Current (25°C Ambient) (100°C Ambient)	$I_o$	100 50	100 50	100 50	100 50	100 50	mA mA
Peak Surge Current (½-cycle, 60 Hz)	$I_{FM(surge)}$	2.5	2.5	2.5	2.5	2.5	Amp
Peak Repetitive Forward Current	$I_{FM(rep)}$	0.50	0.50	0.50	0.50	0.50	Amp
Operating and Storage Temperature Range	$T_j, T_{stg}$	-65 to + 150					°C

**ELECTRICAL CHARACTERISTICS**

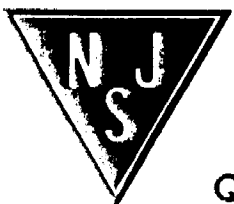
Characteristic	Symbol	Value	Unit
Maximum Forward Voltage Drop @ 100 mA, Continuous DC (25°C)	$V_F$	2.8	Volts
Maximum Full-Cycle Average Forward Voltage Drop @ Rated Current (100°C)	$V_{F(AV)}$	1.2	Volts
Maximum Reverse Current @ Rated DC Voltage (25°C) (100°C)	$I_R$	1.0 10.0	$\mu A$
Maximum Full-Cycle Average Reverse Current @ Max Rated PIV and Current (as Half-Wave Rectifier, Resistive Load, 100°C)	$I_{R(AV)}$	10.0	$\mu A$



(DO-7)

**PHYSICAL CHARACTERISTICS**

NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.



**Quality Semi-Conductors**