

New Jersey Semi-Conductor Products, Inc.

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1N3282 thru 1N3286

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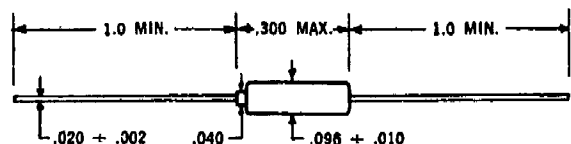
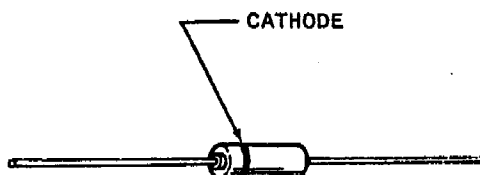
HIGH VOLTAGE GLASS RECTIFIERS

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

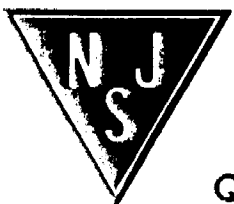
Characteristic	Symbol	Value	Unit
Maximum Forward Voltage Drop @ 100 mA, Continuous DC (25°C)	V_F	2.8	Volts
Maximum Full-Cycle Average Forward Voltage Drop @ Rated Current (100°C)	$V_{F(AV)}$	1.2	Volts
Maximum Reverse Current @ Rated DC Voltage (25°C) (100°C)	I_R	1.0 10.0	μA
Maximum Full-Cycle Average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



(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