

New Jersey Semi-Conductor Products, Inc.

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

TELEPHONE: (201) 376-2922
 (212) 227-6005
 FAX: (201) 376-8960

1N3491 thru 1N3495
MR327 MR330
MR328 MR331



SILICON RECTIFIERS
25 AMPERE

50-1000 VOLTS
DIFFUSED JUNCTION

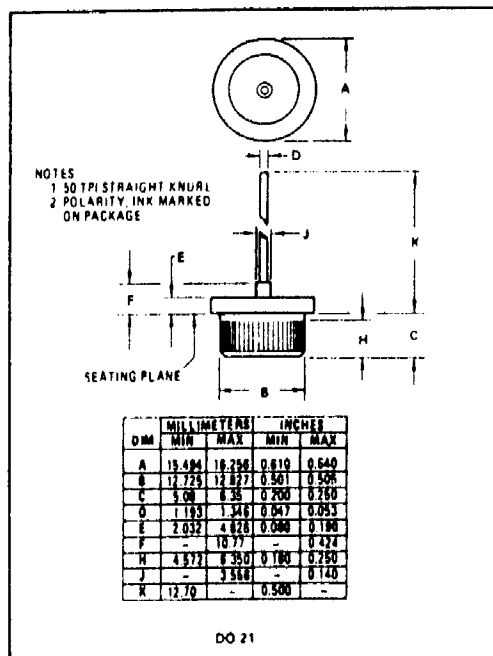
***MAXIMUM RATINGS**

Rating	Symbol	1N3491	1N3492	1N3493	1N3494	1N3495	MR327	MR328	MR330	MR331	Unit
Peak Repetitive Reverse Voltage	VRRM										
Working Peak Reverse Voltage	VRWM	50	100	200	300	400	500	600	800	1000	Volts
DC Blocking Voltage	VR										
RMS Reverse Voltage	VR(RMS)	35	70	140	210	280	350	420	560	700	Volts
Average Rectified Forward Current (single phase, resistive load, 60 Hz, see Figure 3) T _C = 100°C	I _O	←————— 25 —————→									Amp
Nonrepetitive Peak Surge Current (surge applied at rated load conditions, see Figure 5)	I _{FSM}	←————— 300 (for 1/2 cycle) —————→									Amp
Operating and Storage Junction Temperature Range	T _J , T _{stg}	←————— -65 to +175 —————→									°C

THERMAL CHARACTERISTICS

Characteristic	Symbol	Max	Unit
Thermal Resistance, Junction to Case	R _{θJC}	1.2	°C/Watt

POLARITY: CATHODE TO CASE (reverse polarity units are available upon request and are designated by an "R" suffix i.e. MR327R or 1N3491R).



Quality Semi-Conductors