

# New Jersey Semi-Conductor Products, Inc.

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## 1N5550 thru 1N5554

### FEATURES

- Voidless hermetically sealed glass package.
- Triple layer passivation.
- Metallurgically bonded.
- JAN/TX/TXV available per MIL-S-19500/420.

### MAXIMUM RATINGS

Operating Temperature:  $-65^{\circ}\text{C}$  to  $+175^{\circ}\text{C}$ .  
 Storage Temperature:  $-65^{\circ}\text{C}$  to  $+175^{\circ}\text{C}$ .

### ELECTRICAL CHARACTERISTICS

TYPE	MINIMUM REVERSE BREAKDOWN VOLTAGE @ 50 $\mu\text{A}$	PEAK INVERSE VOLTAGE PIV VOLTS	AVERAGE RECTIFIED CURRENT to 80% (65°C)	FORWARD VOLTAGE $V_f$ @ 9A (pk)		REVERSE CURRENT $I_R$ @ PIV $\mu\text{A}$	REVERSE RECOVERY $t_{rr}$ $\mu\text{SEC}$
				MIN.	MAX.		
1N5550	240	200	5.0	.6V (pk)	1.2V (pk)	1.0	2.0
1N5551	480	400	5.0	.6V (pk)	1.2V (pk)	1.0	2.0
1N5552	660	600	5.0	.6V (pk)	1.2V (pk)	1.0	2.0
1N5553	880	800	5.0	.6V (pk)	1.3V (pk)	1.0	2.0
1N5554	1100	1000	5.0	.6V (pk)	1.3V (pk)	1.0	2.0

### RECTIFIERS

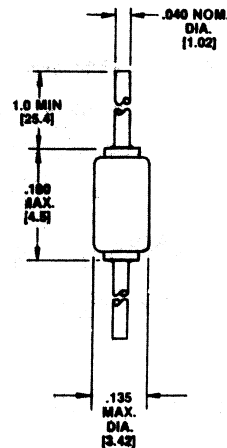


FIGURE 1  
 PACKAGE E

### MECHANICAL CHARACTERISTICS

CASE: Hermetically sealed hard glass.

LEAD MATERIAL: Tinned Copper.

MARKING: Body painted, alpha numeric.

POLARITY: Cathode band.



Quality Semi-Conductors