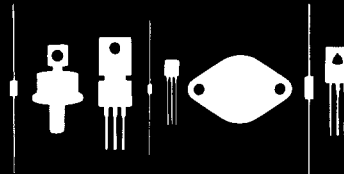


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145 Adams Avenue
Hauppauge, New York 11788



1N5550
1N5551
1N5552
1N5553
1N5554

GLASS PASSIVATED RECTIFIER
3.0 AMPS, 200 THRU 1000 VOLTS
GPR-3A CASE

DESCRIPTION

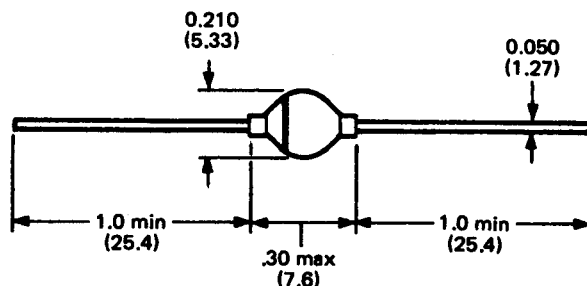
The CENTRAL SEMICONDUCTOR 1N5550 series types are silicon rectifiers mounted in a hermetically sealed, glass passivated package for general applications where high reliability is desired.

MAXIMUM RATINGS ($T_A=25^\circ\text{C}$ unless otherwise noted)

	SYMBOL	1N5550	1N5551	1N5552	1N5553	1N5554	UNIT
Peak Repetitive Reverse Voltage	VRRM	200	400	600	800	1000	V
DC Blocking Voltage	VR	200	400	600	800	1000	V
RMS Reverse Voltage	VR(RMS)	140	280	420	560	700	V
Average Forward Current ($T_A=55^\circ\text{C}$)	IO			3.0			A
Peak Forward Surge Current	IFSM			150			A
Operating and Storage Junction Temperature	TJ, TSTG			-65 TO +200			$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$ unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
IR	VR=Rated VRRM		1.0	μA
IR	VR=Rated VRRM, $T_A=100^\circ\text{C}$		75	μA
VF	IF=3.0A (200V thru 600V)		1.0	V
VF	IF=3.0A (800V thru 1000V)		1.1	V
BVR	IR=50 μA (1N5550)	240		V
BVR	IR=50 μA (1N5551)	460		V
BVR	IR=50 μA (1N5552)	660		V
BVR	IR=50 μA (1N5553)	880		V
BVR	IR=50 μA (1N5554)	1100		V
trr	IF=0.5A, IR=1.0A, Recov. to 0.25A (200V thru 600V)		2.0	μs
trr	IF=0.5A, IR=1.0A, Recov. to 0.25A (800V thru 1000V)		4.0	μs



DIMENSIONS IN INCHES (MILLIMETERS)

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