

New Jersey Semi-Conductor Products, Inc.

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TEMPERATURE COMPENSATED ZENER REFERENCE DIODES
6.4 VOLT NOMINAL ZENER VOLTAGE

1N4565
 thru
1N4584A

FEATURES

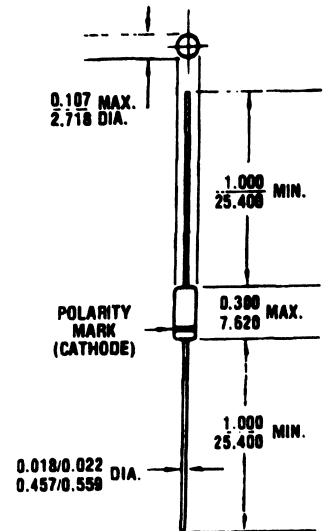
6.4 V $\pm 5\%$ Zener Voltage (Note 1)
 Temperature Coefficient Range: .01 to .0005%/ $^{\circ}\text{C}$
 Zener Test Current Range: 500 μA to 4 mA

MAXIMUM RATINGS

Operating Temperature: -55 $^{\circ}\text{C}$ to +175 $^{\circ}\text{C}$
 Storage Temperature: -55 $^{\circ}\text{C}$ to +175 $^{\circ}\text{C}$
 DC Power Dissipation: 400 mW at 50 $^{\circ}\text{C}$
 Power Derating: 3.2 mW/ $^{\circ}\text{C}$ above 50 $^{\circ}\text{C}$

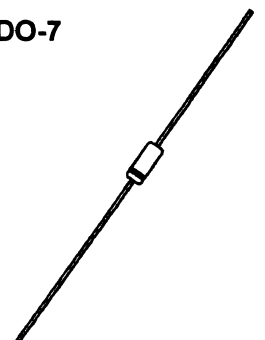
*** ELECTRICAL CHARACTERISTICS @ 25 $^{\circ}\text{C}$, unless otherwise specified**

JEDEC TYPE NUMBERS	ZENER TEST CURRENT - I_z (Note 1) mA	MAXIMUM DYNAMIC ZENER IMPEDANCE Z_z (Note 2) Ohms	MAXIMUM VOLTAGE TEMPERATURE COEFFICIENT		
			$\pm\%/^{\circ}\text{C}$	$\pm\text{mV}/^{\circ}\text{C}$	TEMP RANGE $^{\circ}\text{C}$
1N4565 1N4565A	.5 .5	200 200	.01 .01	.64 .64	0 to +75 -55 to +100
1N4566 1N4566A	.5 .5	200 200	.005 .005	.32 .32	0 to +75 -55 to +100
1N4567 1N4567A	.5 .5	200 200	.002 .002	.13 .13	0 to +75 -55 to +100
1N4568 1N4568A	.5 .5	200 200	.001 .001	.06 .06	0 to +75 -55 to +100
1N4569 1N4569A	.5 .5	200 200	.0005 .0005	.03 .03	0 to +75 -55 to +100
1N4570 1N4570A	1.0 1.0	100 100	.01 .01	.64 .64	0 to +75 -55 to +100
1N4571 1N4571A	1.0 1.0	100 100	.005 .005	.32 .32	0 to +75 -55 to +100
1N4572 1N4572A	1.0 1.0	100 100	.002 .002	.13 .13	0 to +75 -55 to +100
1N4573 1N4573A	1.0 1.0	100 100	.001 .001	.06 .06	0 to +75 -55 to +100
1N4574 1N4574A	1.0 1.0	100 100	.0005 .0005	.03 .03	0 to +75 -55 to +100
1N4575 1N4575A	2.0 2.0	50 50	.01 .01	.64 .64	0 to +75 -55 to +100
1N4576 1N4576A	2.0 2.0	50 50	.005 .005	.32 .32	0 to +75 -55 to +100
1N4577 1N4577A	2.0 2.0	50 50	.002 .002	.13 .13	0 to +75 -55 to +100
1N4578 1N4578A	2.0 2.0	50 50	.001 .001	.06 .06	0 to +75 -55 to +100
1N4579 1N4579A	2.0 2.0	50 50	.0005 .0005	.03 .03	0 to +75 -55 to +100
1N4580A 1N4580A	4.0 4.0	25 25	.01 .01	.64 .64	0 to +75 -55 to +100
1N4581 1N4581A	4.0 4.0	25 25	.005 .005	.32 .32	0 to +75 -55 to +100
1N4582 1N4582A	4.0 4.0	25 25	.002 .002	.13 .13	0 to +75 -55 to +100
1N4583 1N4583A	4.0 4.0	25 25	.001 .001	.06 .06	0 to +75 -55 to +100
1N4584 1N4584A	4.0 4.0	25 25	.0005 .0005	.03 .03	0 to +75 -55 to +100



All dimensions in INCH
mm

DO-7



* Reference voltage diodes of nominal 6.4 V $\pm 5\%$
 C = $\pm 2\%$ tolerance
 D = $\pm 1\%$ tolerance