

New Jersey Semi-Conductor Products, Inc.

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TC ZENER DIODES

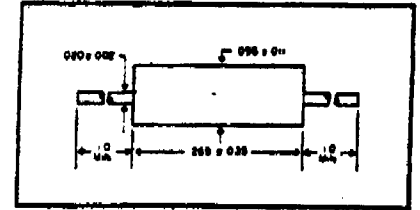
400 mW & 500 mW, TC

DO-7 Case

Type	Zener Voltage		Test Current	Maximum Dynamic Impedance	Voltage Temperature Stability	Temperature Range	Typical Temperature Coefficient
	Min. V_Z	Max. V_Z					
	V_Z	V_Z	I_{ZT}	$Z_{ZT} @ I_{ZT}$	$\Delta V_{ZT} \text{ Max.}$	$^{\circ}\text{C}$	$\%/^{\circ}\text{C}$
	V	V	mA	Ω	mV		
1N940 1N940A 1N940B	8.55	9.45	7.5	20	1.3 2.7 3.7	0 to +75 -55 to +100 -55 to +150	0.0002

‡Zener impedance is derived from the 1kHz voltage created when AC current with RMS value of 10% of DC zener test current is superimposed on the test current.

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	V	V	mA	Ω	mV		
1N941 1N941A 1N941B	11.12	12.28	7.5	30	88 181 239	0 to +75 -55 to +100 -55 to +150	.01
1N942 1N942A 1N942B	11.12	12.28	7.5	30	44 90 120	0 to +75 -55 to +100 -55 to +150	.005
1N943 1N943A 1N943B	11.12	12.28	7.5	30	18 38 47	0 to +75 -55 to +100 -55 to +150	.002
1N944 1N944A 1N944B	11.12	12.28	7.5	30	9 18 24	0 to +75 -55 to +100 -55 to +150	.001
1N945 1N945A 1N945B	11.12	12.28	7.5	30	4 9 12	0 to +75 -55 to +100 -55 to +150	.0005
1N946 1N946A 1N946B	11.12	12.28	7.5	30	20	0 to +75 -55 to +100 -55 to +150	.0005

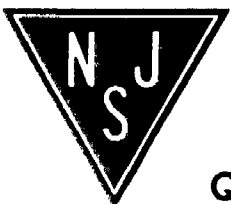
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	V	V	mA	Ω	mV		
1N3154 1N3154A 1N3155 1N3155A	8.0	8.8	10	15	130 172 65 86	-55 to +100 -55 to +150 -55 to +100 -55 to +150	.01 .01 .005 .005
1N3156 1N3156A 1N3157 1N3157A	8.0	8.8	10	15	26 34 13 17	-55 to +100 -55 to +150 -55 to +100 -55 to +150	.002 .002 .001 .001

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