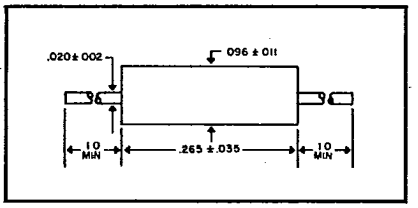
250mW, TC

DO-7 Case

Type	Zener Voltage Min. V_Z	Zener Voltage Max. V_Z	Test Current I_{ZT}	Maximum‡ Dynamic Impedance Z_{ZT} @ I_{ZT}	Voltage Temperature Stability ΔV_{ZT} Max.	Temperature Range	Typical Temperature Coefficient
	V	V	mA	Ω	mV	°C	%/°C
1N821	5.9	6.5	7.5	15	96	−55 to +100	.01
1N821A				10	96	−55 to +100	.01
1N823				15	48	−55 to +100	.005
1N823A				10	48	−55 to +100	.005
1N825				15	19	−55 to +100	.002
1N825A	5.9	6.5	7.5	10	19	−55 to +100	.002
1N827				15	9	−55 to +100	.001
1N827A				10	9	−55 to +100	.001
1N829				15	5	−55 to +100	.0005
1N829A				10	5	−55 to +100	.0005

‡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.

DO-7 Case



250 mW, TC

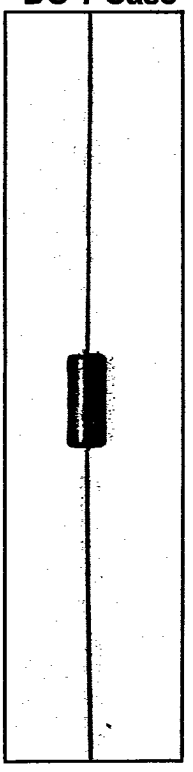
DO-7 Case

Type†	Nominal Zener Voltage V_Z+	Test Current I_{ZT}	Maximum‡ Dynamic Impedance Z_{ZT} @ I_{ZT}	Voltage Temperature Stability ΔV_{ZT} Max.	Temperature Range	Typical Temperature Coefficient
	V	mA	Ω	mV	°C	%/°C
1N4765	9.1	0.5	350	68	0 to + 75	0.01
1N4765A				141	−55 to +100	0.01
1N4766				34	0 to + 75	0.005
1N4766A				70	−55 to +100	0.005
1N4767	9.1	0.5	350	14	0 to + 75	0.002
1N4767A				28	−55 to +100	0.002
1N4768				7	0 to + 75	0.001
1N4768A				14	−55 to +100	0.001
1N4769	9.1	0.5	350	3	0 to + 75	0.005
1N4769A		0.5	350	7	−55 to +100	0.005
1N4770		1.0	200	68	0 to + 75	0.01
1N4770A		1.0	200	141	−55 to +100	0.01
1N4771	9.1	1.0	200	34	0 to + 75	0.005
1N4771A				70	−55 to +100	0.005
1N4772				14	0 to + 75	0.002
1N4772A				28	−55 to +100	0.002
1N4773	9.1	1.0	200	7	0 to + 75	0.001
1N4773A				14	−55 to +100	0.001
1N4774				3	0 to + 75	0.0005
1N4774A				7	−55 to +100	0.0005

†Standard tolerance is ±5%.
‡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.

These silicon devices are low level, temperature-compensated, zener reference diodes. Oxide-passivated junctions give long term stability and make these diodes highly reliable reference sources. Glass-enclosed construction provides a rugged, hermetically-sealed unit.

DO-7 Case



250 mW, TC

DO-7 Case

Type	Zener Voltage Min. V_Z	Zener Voltage Max. V_Z	Test Current I_{ZT}	Maximum Dynamic Impedance‡ Z_{ZT} @ I_{ZT}	Voltage Temperature Stability ΔV_{ZT} Max.	Temperature Range	Typical Temperature Coefficient
	V	V	mA	Ω	mV	°C	%/°C
1N3496	5.9	6.5	7.5	15	23	0 to +75	.005
1N3497					9		.002
1N3498					5		.001
1N3499					2		.0005
1N3500					47		.01

‡Zener impedance is derived from the 60 Hz voltage created when AC current with RMS value of 10% of DC zener test current is superimposed on the test current.