

Semitronics Corp.

silicon voltage reference diodes

temperature compensated
200 milliwatt

Type	Nom. Zener Voltage, Vz (volts)	Dynamic Impedance, Zz (ohms)	Zener Current Iz (mA)	Temp. Coefficient (% per °C)	Temp. Range (°C)	Case Style
1N429	6.2	20	7	± .01	-55/+100	C-1
1N1735	6.2	20	—	± .01	-55/+100	A-27h

250 milliwatt

1N430	8.4	15	10	±0.002	-55/+100	S-20
1N430A	8.4	15	10	±0.001	-55/+100	S-20
1N821	6.2	15	7.5	±0.01	-55/+100	DO-7
1N821A	6.2	10	7.5	±0.01	-55/+100	DO-7
1N823	6.2	15	7.5	±0.005	-55/+100	DO-7
1N823A	6.2	10	7.5	±0.005	-55/+100	DO-7
1N824	6.2	15	7.5	±0.005	-55/+100	DO-7
1N825	6.2	15	7.5	±0.002	-55/+100	DO-7
1N825A	6.2	10	7.5	±0.002	-55/+100	DO-7
1N827	6.2	15	7.5	±0.001	-55/+100	DO-7
1N827A	6.2	10	7.5	±0.001	-55/+100	DO-7
1N829	6.2	15	7.5	±0.0005	-55/+100	DO-7
1N829A	6.2	10	7.5	±0.0005	-55/+100	DO-7
1N2765	6.8	20	7.5	±0.005	-55/+100	A-48c
1N2765A	6.8	20	7.5	±0.002	-55/+100	A-48c
1N3496	6.2	15	7.5	±0.005	0/+75	DO-7
1N3497	6.2	15	7.5	±0.002	0/+75	DO-7
1N3498	6.2	15	7.5	±0.001	0/+75	DO-7
1N3499	6.2	15	7.5	±0.0005	0/+75	DO-7
1N3500	6.2	15	7.5	±0.01	0/+75	DO-7
1N3553	6.3	15	7.5	±0.0001	-55/+100	DO-7
1N4770	9.1	200	1.0	±0.01	0/+75	DO-7
1N4770A	9.1	200	1.0	±0.01	-55/+100	DO-7
1N4771	9.1	200	1.0	±0.005	0/+75	DO-7
1N4771A	9.1	200	1.0	±0.005	-55/+100	DO-7
1N4772	9.1	200	1.0	±0.002	0/+75	DO-7
1N4772A	9.1	200	1.0	±0.002	-55/+100	DO-7
1N4773	9.1	200	1.0	±0.001	0/+75	DO-7
1N4773A	9.1	200	1.0	±0.001	-55/+100	DO-7
1N4780	8.5	100	1.0	±0.01	0/+75	DO-7
1N4780A	8.5	100	1.0	±0.01	-55/+100	DO-7
1N4781	8.5	100	1.0	±0.005	0/+75	DO-7
1N4781A	8.5	100	1.0	±0.005	-55/+100	DO-7
1N4782	8.5	100	1.0	±0.002	0/+75	DO-7
1N4782A	8.5	100	1.0	±0.002	-55/+100	DO-7
1N4783	8.5	100	1.0	±0.001	0/+75	DO-7
1N4783A	8.5	100	1.0	±0.001	-55/+100	DO-7

400 milliwatt

1N1736	12.4	40	7.5	±0.01	-55/+100	A-28b
1N1736A	12.4	40	7.5	±0.005	-55/+100	A-28b
1N2786	13.6	40	7.5	±0.005	-55/+100	A-48c
1N2786A	13.6	40	7.5	±0.0025	-55/+100	A-48c
1N3154	8.4	15	10.0	±0.01	-55/+100	DO-7
1N3154A	8.4	15	10.0	±0.01	-55/+150	DO-7
1N3155	8.4	15	10.0	±0.005	-55/+100	DO-7
1N3155A	8.4	15	10.0	±0.005	-55/+150	DO-7
1N3156	8.4	15	10.0	±0.002	-55/+100	DO-7
1N3157	8.4	15	10.0	±0.001	-55/+100	DO-7
1N3157A	8.4	15	10.0	±0.001	-55/+150	DO-7
1N4295	10	20	10	±0.012	-55/+150	A-97
1N4295A	10	20	10	±0.012	-55/+100	A-97
1N4570	6.4	100	1.0	±0.01	0/+75	DO-7
1N4570A	6.4	100	1.0	±0.01	-55/+100	DO-7
1N4571	6.4	100	1.0	±0.005	0/+75	DO-7
1N4571A	6.4	100	1.0	±0.005	-55/+100	DO-7
1N4572	6.4	100	1.0	±0.002	0/+75	DO-7
1N4572A	6.4	100	1.0	±0.002	-55/+100	DO-7
1N4573	6.4	100	1.0	±0.001	0/+75	DO-7
1N4573A	6.4	100	1.0	±0.001	-55/+100	DO-7

500 milliwatt

Type	Nom. Zener Voltage, Vz (volts)	Dynamic Impedance, Zz (ohms)	Zener Current Iz (mA)	Temp. Coefficient (% per °C)	Temp. Range (°C)	Case Style
1N935	9.0	20	7.5	± .01	0/+75	DO-7
1N935A	9.0	20	7.5	± .01	-55/+100	DO-7
1N935B	9.0	20	7.5	± .01	-55/+150	DO-7
1N936	9.0	20	7.5	± .005	0/+75	DO-7
1N936A	9.0	20	7.5	± .005	-55/+100	DO-7
1N936B	9.0	20	7.5	± .005	-55/+150	DO-7
1N937	9.0	20	7.5	± .002	0/+75	DO-7
1N937A	9.0	20	7.5	± .002	-55/+100	DO-7
1N937B	9.0	20	7.5	± .002	-55/+150	DO-7
1N938	9.0	20	7.5	± .001	0/+75	DO-7
1N938A	9.0	20	7.5	± .001	-55/+100	DO-7
1N938B	9.0	20	7.5	± .001	-55/+150	DO-7
1N939	9.0	20	7.5	± .0005	0/+75	DO-7
1N939A	9.0	20	7.5	± .0005	-55/+100	DO-7
1N939B	9.0	20	7.5	± .0005	-55/+150	DO-7
1N940	9.0	20	7.5	± .0002	0/+75	DO-7
1N940A	9.0	20	7.5	± .0002	-55/+100	DO-7
1N940B	9.0	20	7.5	± .0002	-55/+150	DO-7
1N941	11.7	30	7.5	±0.01	0/+75	DO-7
1N941A	11.7	30	7.5	±0.01	-55/+100	DO-7
1N941B	11.7	30	7.5	±0.01	-55/+150	DO-7
1N942	11.7	30	7.5	±0.005	0/+75	DO-7
1N942A	11.7	30	7.5	±0.005	-55/+100	DO-7
1N942B	11.7	30	7.5	±0.005	-55/+150	DO-7
1N943	11.7	30	7.5	±0.002	0/+75	DO-7
1N943A	11.7	30	7.5	±0.002	-55/+100	DO-7
1N943B	11.7	30	7.5	±0.002	-55/+150	DO-7
1N944	11.7	30	7.5	±0.001	0/+75	DO-7
1N944A	11.7	30	7.5	±0.001	-55/+100	DO-7
1N944B	11.7	30	7.5	±0.001	-55/+150	DO-7
1N945	11.7	30	7.5	±0.0005	0/+75	DO-7
1N945A	11.7	30	7.5	±0.0005	-55/+100	DO-7
1N945B	11.7	30	7.5	±0.0005	-55/+150	DO-7
1N946	11.7	30	7.5	±0.0002	0/+75	DO-7
1N946A	11.7	30	7.5	±0.0002	-55/+100	DO-7
1N946B	11.7	30	7.5	±0.0002	-55/+150	DO-7

750 milliwatt

1N2163	9.4	15	10	0.005	0/+70	DO-13
1N2163A	9.4	15	10	0.005	0/+70	DO-13
1N2164	9.4	15	10	0.005	-55/+125	DO-13
1N2164A	9.4	15	10	0.005	-55/+125	DO-13
1N2165	9.4	15	10	0.005	-55/+185	DO-13
1N2165A	9.4	15	10	0.005	-55/+185	DO-13
1N2166	9.4	15	10	0.001	0/+70	DO-13
1N2166A	9.4	15	10	0.001	0/+70	DO-13
1N2167	9.4	15	10	0.001	-55/+125	DO-13
1N2167A	9.4	15	10	0.001	-55/+125	DO-13
1N2168	9.4	15	10	0.001	-55/+185	DO-13
1N2168A	9.4	15	10	0.001	-55/+185	DO-13
1N2169	9.4	15	10	0.005	0/+70	DO-13
1N2169A	9.4	15	10	0.005	0/+70	DO-13
1N2170	9.4	15	10	0.005	-55/+125	DO-13
1N2170A	9.4	15	10	0.005	-55/+125	DO-13
1N2171	9.4	15	10	0.005	-55/+185	DO-13
1N2171A	9.4	15	10	0.005	-55/+185	DO-13
1N2620	9.3	15	10	0.01	0/+75	DO-13
1N2620A	9.3	15	10	0.01	-55/+100	DO-13
1N2620B	9.3	15	10	0.01	-55/+150	DO-13
1N2621	9.3	15	10	0.005	0/+75	DO-13
1N2621A	9.3	15	10	0.005	-55/+100	DO-13
1N2621B	9.3	15	10	0.005	-55/+150	DO-13
1N2622	9.3	15	10	0.002	0/+75	DO-13
1N2622A	9.3	15	10	0.002	-55/+100	DO-13
1N2622B	9.3	15	10	0.002	-55/+150	DO-13
1N2623	9.3	15	10	0.001	0/+75	DO-13
1N2623A	9.3	15	10	0.001	-55/+100	DO-13
1N2623B	9.3	15	10	0.001	-55/+150	DO-13
1N2624	9.3	15	10	0.0005	0/+75	DO-13
1N2624A	9.3	15	10	0.0005	-55/+100	DO-13
1N2624B	9.3	15	10	0.0005	-55/+150	DO-13
1N3580	11.7	25	7.5	0.01	0/+75	DO-13
1N3580A	11.7	25	7.5	0.01	-55/+100	DO-13