

# DO-35 Standard Zener Diodes (500 mW)

**Electrical Characteristics (At Ta=25°C, Unless Otherwise Specified)**

Type No.	V <sub>ZT</sub> at I <sub>ZT</sub> *	r <sub>ZT</sub> at I <sub>ZT</sub>	I <sub>ZT</sub> *	r <sub>ZK</sub> at I <sub>ZK</sub>	I <sub>ZK</sub>	Temp. Coeff. of Zener Voltage (%/°C)	I <sub>R</sub> at V <sub>R</sub> Ta 25°C max (μA)	V <sub>R</sub>	I <sub>ZM</sub> Ta 75 °C	I <sub>ZSM</sub> **	V <sub>F</sub> max (V)	@ I <sub>F</sub> (mA)	P <sub>D</sub> (W)
	nom (V)	max (Ohm)	(mA)	max (Ohm)	(mA)			(V)	(mA)	(mA)			
1N5251B	22	29	5.6	600	0.25	+0.087	0.1	17	21	216	1.1	200	0.5
1N5252B	24	33	5.2	600	0.25	+0.088	0.1	18	19.1	198	1.1	200	0.5
1N5253B	25	35	5.0	600	0.25	+0.089	0.1	19	18.2	190	1.1	200	0.5
1N5254B	27	41	4.6	600	0.25	+0.09	0.1	21	16.8	176	1.1	200	0.5
1N5255B	28	44	4.5	600	0.25	+0.091	0.1	21	16.2	170	1.1	200	0.5
1N5256B	30	49	4.2	600	0.25	+0.091	0.1	23	15.1	159	1.1	200	0.5
1N5257B	33	58	3.8	700	0.25	+0.092	0.1	25	13.8	144	1.1	200	0.5
1N5258B	36	70	3.4	700	0.25	+0.093	0.1	27	12.6	132	1.1	200	0.5
1N5259B	39	80	3.2	800	0.25	+0.094	0.1	30	11.5	122	1.1	200	0.5
1N5260B	43	93	3.0	900	0.25	+0.095	0.1	33	10.6	111	1.1	200	0.5
1N5261B	47	105	2.7	1000	0.25	+0.095	0.1	36	9.7	101	1.1	200	0.5
1N5262B	51	125	2.5	1100	0.25	+0.096	0.1	39	8.9	93	1.1	200	0.5

\* Measure under thermal equilibrium and DC current test conditions.

\*\* Rectangular waveform (t<sub>p</sub> = 10 ms)

Tolerance on nominal V<sub>ZT</sub> value: ±5%.