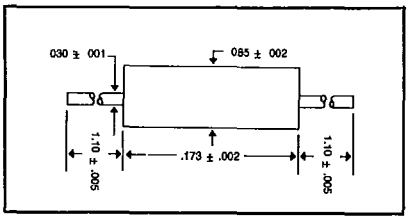
ZENER DIODES

DO-41 Case



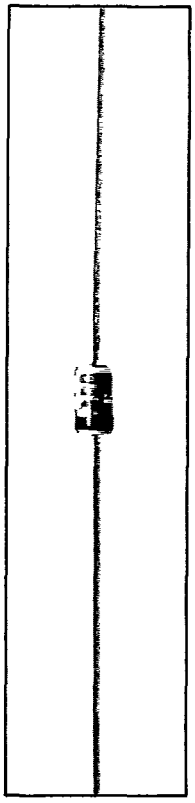
1W — DO-41 Case

Type†	Nominal Zener Voltage	Test Current	Maximum‡ Dynamic Impedance	Typical Temperature Coefficient
	V_Z @ I_{ZT}	I_{ZT}	Z_{ZT} @ I_{ZT}	T_C
	V	mA	Ω	%/°C
1N5559	6.8	37	—	—
1N5560	7.5	34	—	—
1N5561	8.2	31	—	—
1N5562	9.1	28	—	—
1N5563	10.0	25	—	—
1N5564	11	23	—	—
1N5565	12	21	—	—
1N5566	13	19	—	—
1N5567	15	17	—	—
1N5568	16	15	—	—
1N5569	18	14.0	—	—
1N5570	20	12.0	—	—
1N5571	22	11.0	—	—
1N5572	24	10.0	—	—
1N5573	27	9.5	—	—
1N5574	30	8.5	—	—
1N5575	33	7.5	—	—

†Standard tolerances of 5.0, 10, and 20% are available — no suffix is ±20% tolerance, "A" suffix is ±10% tolerance, and "B" suffix is ±5.0% tolerance.

‡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-41 Case



1W — DO-41 Case

Type†	Nominal Zener Voltage	Test Current	Maximum‡ Dynamic Impedance	Typical Temperature Coefficient
	V_Z @ I_{ZT}	I_{ZT}	Z_{ZT} @ I_{ZT}	T_C
	V	mA	Ω	%/°C
1N4400	6.8	37	2.0	—
1N4401	7.5	34	2.0	—
1N4402	8.2	31	2.0	—
1N4403	9.1	28	2.5	—
1N4404	10.0	25	3.0	—
1N4405	11	23	3.5	—
1N4406	12	21	4.0	—
1N4407	13	19	5.0	—
1N4408	15	17	6.0	—
1N4409	16	15	8.0	—
1N4410	18	14.0	10	—
1N4411	20	12.0	11	—
1N4412	22	11.0	12	—
1N4413	24	10.0	13	—
1N4414	27	9.5	14	—
1N4415	30	8.5	15	—
1N4416	33	7.5	17	—
1N4417	36	7.0	19	—
1N4418	39	6.5	21	—
1N4419	43	6.0	23	—
1N4420	47	5.5	26	—
1N4421	51	5.0	30	—
1N4422	56	4.5	33	—
1N4423	62	4.0	40	—
1N4424	68	3.7	44	—
1N4425	75	3.3	60	—
1N4426	82	3.0	85	—

†Standard tolerances of 5.0, 10, and 20% are available — no suffix is ±20% tolerance, "A" suffix is ±10% tolerance, and "B" suffix is ±5.0% tolerance.

‡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.

SEMICONDUCTORS