5 WATT, Molded (Case 7)

JEDEC TYPE NUMBER†	NOMINAL ZENER VOLTAGE V_Z VOLTS	TEST CURRENT I_{ZT} mA	MAXIMUM ZENER IMPEDANCE A & B SUFFIX ONLY Z_{ZT} @ I_{ZT} Ohms	Z_{ZK} @ I_{ZK} Ohms	mA	MAXIMUM REVERSE LEAKAGE CURRENT I_R @ V_{R1}* @ 25°C μA	VOLTS	V_{R2}** VOLTS	MAXIMUM DC ZENER CURRENT I_{ZM} mA	VOLTAGE REGULATION $\triangle V$***	MAXIMUM SURGE CURRENT I_S A
1N5333	3.3	380	3.0	400	1.0	300.0	1.0	1.0	1440	0.85	20.0
1N5334	3.6	350	2.5	500	1.0	150.0	1.0	1.0	1320	0.80	18.7
1N5335	3.9	320	2.0	500	1.0	50.0	1.0	1.0	1220	0.54	17.6
1N5336	4.3	290	2.0	500	1.0	10.0	1.0	1.0	1100	0.49	16.4
1N5337	4.7	260	2.0	450	1.0	5.0	1.0	1.0	1010	0.44	15.3
1N5338	5.1	240	1.5	400	1.0	1.0	1.0	1.0	930	0.39	14.4
1N5339	5.6	220	1.0	400	1.0	1.0	2.0	2.0	865	0.25	13.4
1N5340	6.0	200	1.0	300	1.0	1.0	3.0	3.0	790	0.19	12.7
1N5341	6.2	200	1.0	200	1.0	1.0	3.0	3.0	765	0.10	12.4
1N5342	6.8	175	1.0	200	1.0	10.0	5.2	4.9	700	0.15	11.5
1N5343	7.5	175	1.5	200	1.0	10.0	5.7	5.4	630	0.15	10.7
1N5344	8.2	150	1.5	200	1.0	10.0	6.2	5.9	580	0.20	10.0
1N5345	8.7	150	2.0	200	1.0	10.0	6.6	6.3	545	0.20	9.5
1N5346	9.1	150	2.0	150	1.0	7.5	6.9	6.6	520	0.22	9.2
1N5347	10	125	2.0	125	1.0	5.0	7.6	7.2	475	0.22	8.6
1N5348	11	125	2.5	125	1.0	5.0	8.4	8.0	430	0.25	8.0
1N5349	12	100	2.5	125	1.0	2.0	9.1	8.6	395	0.25	7.5
1N5350	13	100	2.5	100	1.0	1.0	9.9	9.4	365	0.25	7.0
1N5351	14	100	2.5	75	1.0	1.0	10.6	10.1	340	0.25	6.7
1N5352	15	75	2.5	75	1.0	1.0	11.5	10.8	315	0.25	6.3
1N5353	16	75	2.5	75	1.0	1.0	12.2	11.5	295	0.30	6.0
1N5354	17	70	2.5	75	1.0	0.5	12.9	12.2	280	0.35	5.8
1N5355	18	65	2.5	75	1.0	0.5	13.7	13.0	264	0.40	5.5
1N5356	19	65	3.0	75	1.0	0.5	14.4	13.7	250	0.40	5.3
1N5357	20	65	3.0	75	1.0	0.5	15.2	14.4	237	0.40	5.1
1N5358	22	50	3.5	75	1.0	0.5	16.7	15.8	216	0.45	4.7
1N5359	24	50	3.5	100	1.0	0.5	18.2	17.3	198	0.55	4.4
1N5360	25	50	4.0	110	1.0	0.5	19.0	18.0	190	0.55	4.3
1N5361	27	50	5.0	120	1.0	0.5	20.6	19.4	176	0.60	4.1
1N5362	28	50	6.0	130	1.0	0.5	21.2	20.1	170	0.60	3.9
1N5363	30	40	8.0	140	1.0	0.5	22.8	21.6	158	0.60	3.7
1N5364	33	40	10.0	150	1.0	0.5	25.1	23.8	144	0.60	3.5
1N5365	36	30	11.0	160	1.0	0.5	27.4	25.9	132	0.65	3.3
1N5366	39	30	14.0	170	1.0	0.5	29.7	28.1	122	0.65	3.1
1N5367	43	30	20.0	190	1.0	0.5	32.7	31.0	110	0.70	2.8
1N5368	47	25	25.0	210	1.0	0.5	35.8	33.8	100	0.80	2.7
1N5369	51	25	27.0	230	1.0	0.5	38.8	36.7	93.0	0.90	2.5
1N5370	56	20	35.0	280	1.0	0.5	42.6	40.3	86.0	1.00	2.3
1N5371	60	20	40.0	350	1.0	0.5	45.5	43.0	79.0	1.20	2.2
1N5372	62	20	42.0	400	1.0	0.5	47.1	44.6	76.0	1.35	2.1
1N5373	68	20	44.0	500	1.0	0.5	51.7	49.0	70.0	1.50	2.0
1N5374	75	20	45.0	620	1.0	0.5	56.0	54.0	63.0	1.60	1.9
1N5375	82	15	65.0	720	1.0	0.5	62.2	59.0	58.0	1.80	1.8
1N5376	87	15	75.0	760	1.0	0.5	66.0	63.0	54.5	2.00	1.7
1N5377	91	15	75.0	760	1.0	0.5	69.2	65.5	52.5	2.20	1.6
1N5378	100	12	90.0	800	1.0	0.5	76.0	72.0	47.5	2.50	1.5
1N5379	110	12	125.0	1000	1.0	0.5	83.6	79.2	43.0	2.50	1.4
1N5380	120	10	170.0	1150	1.0	0.5	91.2	86.4	39.5	2.50	1.3
1N5381	130	10	190.0	1250	1.0	0.5	98.8	93.6	36.6	2.50	1.2
1N5382	140	8.0	230.0	1500	1.0	0.5	106.0	101.0	34.0	2.50	1.2
1N5383	150	8.0	330.0	1500	1.0	0.5	114.0	108.0	31.6	3.00	1.1
1N5384	160	8.0	350.0	1650	1.0	0.5	122.0	11.5	29.4	3.00	1.1
1N5385	170	8.0	380.0	1750	1.0	0.5	129.0	122.0	28.0	3.00	1.0
1N5386	180	5.0	430.0	1750	1.0	0.5	137.0	130.0	26.4	4.00	1.0
1N5387	190	5.0	450.0	1850	1.0	0.5	144.0	137.0	25.0	5.00	0.9
1N5388	200	5.0	480.0	1850	1.0	0.5	152.0	144.0	23.6	5.00	0.9

V_F = 1.2 Volts max. @ I_F = 1.0A for all types

†Non Suffix V_Z = ±20%

A Suffix V_Z = ±10%

B Suffix V_Z = ±5%

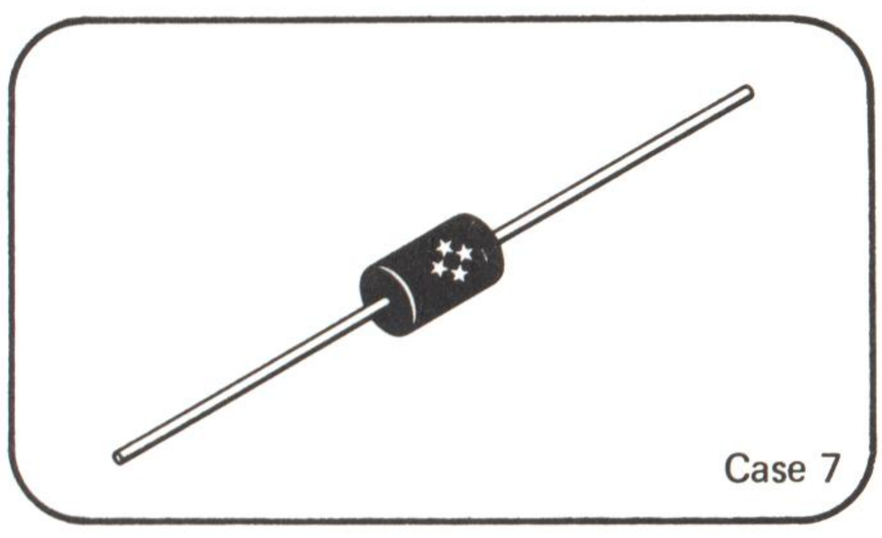
Derating Factor above 75°C: 40.0 mW/°C

Polarity - Banded End Positive

*V_{R1} – Test Voltage for 5% Tolerance Device

**V_{R2} – Test Voltage for 10% and 20% Tolerance Devices

***$\triangle V = V_z$ @ 50% $I_{zm} - V_z$ @ 10% I_{zm}



Case 7