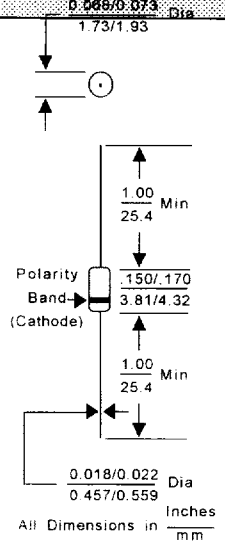
ZENER DIODES, GLASS PACKAGE, LOW CURRENT

400mW	Nominal Zener Voltage (Notes 1&2)	Zener Test Current	Maximum Zener Impedance (Note 4)	Maximum Zener Current (Note 3)	Maximum Reverse Leakage Current at T_A = 25°C		Maximum Temperature Coefficient	Package Quantities	Outline
JEDEC Part Number	V_Z at I_{ZT}	I_{ZT}	Z_{ZT} at I_{ZT}	I_{ZM}	V_R	I_R	α_{VZ}	Bulk/Reel	Inches/millimeters
	(Volts)	(mA)	(Ohms)	(mA)	(Volts)	(uA)	(mV/°C)		
1N5728B	4.7	10	70	70	2	3.0	-1.0		
1N5729B	5.1	10	50	65	2	3.0	-0.2		
1N5730B	5.6	10	25	60	2	3.0	+1.2		
1N5731B	6.2	10	10	55	4	3.0	+2.3		
1N5732B	6.8	10	10	50	4	3.0	+3.0		
1N5733B	7.5	10	10	45	5	2.0	+4.0		
1N5734B	8.2	10	15	40	5	1.0	+5.0		
1N5735B	9.1	10	15	40	6	0.5	+6.0		
1N5736B	10	10	20	35	7	0.2	+7.0		
1N5737B	11	5	20	30	8	0.1	+8.0		
1N5738B	12	5	25	30	8	0.1	+9.0		
1N5739B	13	5	30	25	9	0.1	+10.5		
1N5740B	15	5	30	25	10	0.1	+12.9		
1N5741B	16	5	40	20	11	0.1	+13		
1N5742B	18	5	45	20	12	0.1	+15	1000/ 10,000	
1N5743B	20	5	55	15	14	0.1	+17		
1N5744B	22	5	55	15	15	0.1	+18		
1N5745B	24	5	70	15	17	0.1	+21		
1N5746B	27	2	80	10	19	0.1	+23.5		
1N5747B	30	2	80	10	21	0.1	+26		
1N5748B	33	2	90	10	23	0.1	+29		
1N5749B	36	2	90	10	25	0.1	+31		
1N5750B	39	2	130	9	27	0.1	+34		
1N5751B	43	2	150	9	30	0.1	+37		
1N5752B	47	2	170	8	33	0.1	+40		
1N5753B	51	2	180	7	36	0.1	+44		
1N5754B	56	2	200	6	39	0.1	+47		
1N5755B	62	2	215	6	43	0.1	+51		
1N5756B	68	2	240	5	48	0.1	+56		
1N5757B	75	2	255	5	53	0.1	+60		



DO-35

MAXIMUM RATINGS

Junction Temperature:
-65 °C to +200 °C

Storage Temperature:
-65 °C to +200 °C

DC Power Dissipation:
400 mW at 75 °C

Power Derating:
2.66 mW/°C above 75 °C

Forward Voltage
0.9 Volts Max at 10 mA

Note 1: Standard B Suffix voltage tolerance is ±5%, A Suffix is ± 10%, Tolerances of ±2% and ±1% available on special order.

Note 2: Special selection of Zener Voltage and/or Matched Characteristics available on request.

Note 3:
$I_{ZM} = 400\ mW/V_{Z(Nom)} \cdot Tolerance$

Note 4: Z_{ZT} and Z_{ZK} impedances are derived from the 1kHz voltage created when an AC current with RMS value of ± 10% of DC zener test current is superimposed on the test current.