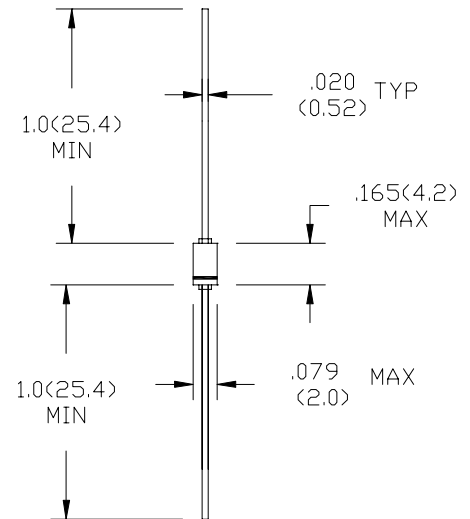


1N5221B-G-1N5281B-G ZENER DIODE

ABSOLUTE MAXIMUM RATINGS

Characteristic	Symbol	Value	Unit
Operating temperature range	T _{CASE}	-65 to +200	°C
Storage temperature range	T _{STG}	-65 to +200	°C
Power dissipation @ T _A =25°C	P _{TOT}	500	mW
Thermal resistance(Junction to Ambient)	R _{THJA}	300	°C/W

Note: Green Products in Compliance with the RoHS Directive



DO-35 Dimensions in inch(mm)

Electrical Characteristics @T_A=25°C

Part No.	Nominal Zener Voltage V _Z @ I _{ZT} Volts	Test Current I _{ZT} mA	Max. Zener Impedance		Max. Reverse Leakage Current			Max.ZenerVoltage Temp. Coeff
			Z _{ZT} @ I _{ZT} Ohms	Z _{ZK} @ I _{ZK} =0.25mA Ohms	I _R μA	@V _R Volts		
						A	B,C&D	
1N5221B-G	2.4	20	30	1200	100	0.95	1.0	-0.085
1N5222B-G	2.5	20	30	1250	100	0.95	1.0	-0.085
1N5223B-G	2.7	20	30	1300	75	0.95	1.0	-0.080
1N5224B-G	2.8	20	30	1400	75	0.95	1.0	-0.080
1N5225B-G	3.0	20	29	1600	50	0.95	1.0	-0.075
1N5226B-G	3.3	20	28	1600	25	0.95	1.0	-0.070
1N5227B-G	3.6	20	24	1700	15	0.95	1.0	-0.065
1N5228B-G	3.9	20	23	1900	10	0.95	1.0	-0.060
1N5229B-G	4.3	20	22	2000	5.0	0.95	1.0	±0.055
1N5230B-G	4.7	20	19	1900	5.0	1.9	2.0	±0.030
1N5231B-G	5.1	20	17	1600	5.0	.1.9	2.0	±0.030
1N5232B-G	5.6	20	11	1600	5.0	2.9	3.0	+0.038
1N5233B-G	6.0	20	7.0	1600	5.0	3.3	3.5	+0.038
1N5234B-G	6.2	20	7.0	1000	5.0	3.8	4.0	+0.045
1N5235B-G	6.8	20	5.0	750	3.0	4.8	5.0	+0.050

Part No.	Nominal Zener Voltage V _Z @ I _{ZT} Volts	Test Current I _{ZT} mA	Max. Zener Impedance		Max. Reverse Leakage Current			Max.ZenerVoltage Temp. Coeff
			Z _{ZT} @ I _{ZT} Ohms	Z _{ZK} @ I _{ZK} =0.25mA Ohms	I _R μA	@V _R Volts		
						A	B,C&D	
1N5236B-G	7.5	20	6.0	500	3.0	5.7	6.0	+0.058
1N5237B-G	8.2	20	8.0	500	3.0	6.2	6.5	+0.062
1N5238B-G	8.7	20	8.0	600	3.0	6.2	6.5	+0.065
1N5239B-G	9.1	20	10	600	3.0	6.7	7.0	+0.068
1N5240B-G	10	20	17	600	3.0	7.6	8.0	+0.075
1N5241B-G	11	20	22	600	2.0	8.0	8.4	+0.076
1N5242B-G	12	20	30	600	1.0	8.7	9.1	+0.077
1N5243B-G	13	9.5	13	600	0.5	9.4	9.9	+0.079
1N5244B-G	14	9.0	15	600	0.1	9.5	10	+0.082
1N5245B-G	15	8.5	16	600	0.1	10.5	11	+0.082
1N5246B-G	16	7.8	17	600	0.1	11.4	12	+0.083
1N5247B-G	17	7.4	19	600	0.1	12.4	13	+0.084
1N5248B-G	18	7.0	21	600	0.1	13.3	14	+0.085
1N5249B-G	19	6.6	23	600	0.1	13.3	14	+0.086
1N5259B-G	20	6.2	25	600	0.1	14.3	15	+0.086
1N5251B-G	22	5.6	29	600	0.1	16.2	17	+0.087
1N5252B-G	24	5.2	33	600	0.1	17.1	18	+0.088
1N5253B-G	25	5.0	35	600	0.1	18.1	19	+0.089
1N5254B-G	27	4.6	41	600	0.1	20	21	+0.090
1N5255B-G	28	4.5	44	600	0.1	20	21	+0.091
1N5256B-G	30	4.2	49	600	0.1	22	23	+0.091
1N5257B-G	33	3.8	58	700	0.1	24	25	+0.092
1N5258B-G	36	3.4	70	700	0.1	26	27	+0.093
1N5259B-G	39	3.2	80	800	0.1	29	30	+0.094
1N5260B-G	43	3.0	93	900	0.1	31	33	+0.095
1N5261B-G	47	2.7	105	1000	0.1	34	36	+0.095
1N5262B-G	51	2.5	125	1100	0.1	37	39	+0.096
1N5263B-G	56	2.2	150	1300	0.1	41	43	+0.096
1N5264B-G	60	2.1	170	1400	0.1	44	46	+0.097
1N5265B-G	62	2.0	185	1400	0.1	45	47	+0.097
1N5266B-G	68	1.8	230	1600	0.1	49	52	+0.097
1N5267B-G	75	1.7	270	1700	0.1	53	56	+0.097
1N5268B-G	82	1.5	330	2000	0.1	59	62	+0.098
1N5269B-G	87	1.4	370	2200	0.1	65	68	+0.099
1N5270B-G	91	1.4	400	2300	0.1	66	69	+0.099
1N5271B-G	100	1.3	500	2600	0.1	72	76	+0.110
1N5272B-G	110	1.1	750	3000	0.1	80	84	+0.110
1N5273B-G	120	1.0	900	4000	0.1	86	91	+0.110
1N5274B-G	130	0.95	1100	4500	0.1	94	99	+0.110
1N5275B-G	140	0.90	1300	4500	0.1	101	106	+0.110
1N5276B-G	150	0.85	1500	5000	0.1	108	114	+0.110
1N5277B-G	160	0.80	1700	5500	0.1	116	122	+0.110
1N5278B-G	170	0.74	1900	5500	0.1	123	129	+0.110
1N5279B-G	180	0.68	2200	6000	0.1	130	137	+0.110
1N5280B-G	190	0.68	2400	6500	0.1	137	144	+0.110
1N5281B-G	200	0.65	2500	7000	0.1	144	152	+0.110

Note:1. SUFFIX ``B`` Indicates ±5% Tolerance.

2. NO SUFFIX ``B`` Indicates ±10% Tolerance.

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