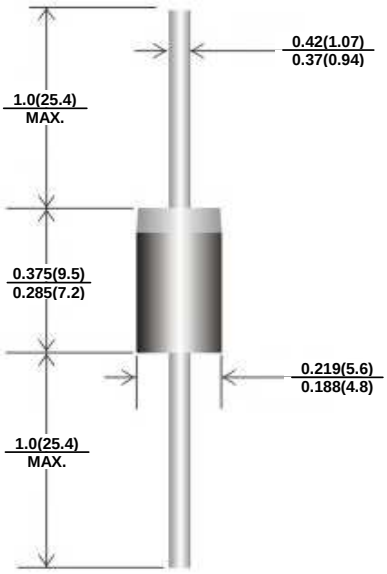
1N5334B SERIES

SILICON ZENER DIODES

Voltage - 3.6 to 200 Volts, Power 5.0 Watts

DO-201AE



Dimensions in inches and (millimeters)

FEATURES

- Low profile package, Low inductance
- 5.0 W Power Dissipatio
- Zener Voltages from 3.6~200V
- Typical ID less than 1.0μA above 13V
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

Case: DO-201AE, Molded Plastic

Terminals: Solderable per MIL-STD-750，Method 2026

Approx. Weight: 0.0395 ounce, 1.122 gram

Mounting Position: Any

Polarity: Color band denotes cathode end

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwis e specified.

Parameter	Symbol	Value	Units
DC Power Dissipation on TL =75^{o}C ,Measure at Zero Lead Length, Derate above 50^{o}C (NOTE 1)	P_{TOT}	5.0	W
Junction Temperature	T_J	-55 to + 150	^{o}C
Storage Temperature Range	T_{STG}	-55 to + 150	^{o}C
Note: Mounted on 8.0mm^2 copper pads to each terminal.			

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Part Number	Nominal Zener Voltage			Max. Zener Impedance				Max Reverse Leakage Current		Marking Code
	Vz @ Izt			Zzt@Izt		Zzk@Izk		I_R@V_R		
	Nom.(V)	Min.(V)	Max.(V)	Ω	mA	Ω	mA	uA	V	
5.0 W Zener Diodes										
1N5334B	3.6	3.42	3.78	3	350	500	1	150	1	1N5334B
1N5335B	3.9	3.71	4.1	2	320	500	1	50	1	1N5335B
1N5336B	4.3	4.09	4.52	2	290	500	1	10	1	1N5336B
1N5337B	4.7	4.47	4.94	2	260	450	1	10	1	1N5337B
1N5342B	6.8	6.46	7.14	1	175	200	1	10	5.2	1N5342B
1N5343B	7.5	7.13	7.88	1.5	175	200	1	10	5.7	1N5343B
1N5344B	8.2	7.79	8.61	1.5	150	200	1	10	6.2	1N5344B
1N5345B	8.7	8.27	9.14	2	150	200	1	10	6.6	1N5345B
1N5346B	9.1	8.65	9.56	2	150	150	1	7.5	6.9	1N5346B
1N5347B	10	9.5	10.5	2	125	125	1	5	7.6	1N5347B
1N5348B	11	10.45	11.55	2.5	125	125	1	5	8.4	1N5348B
1N5349B	12	11.4	12.6	2.5	100	125	1	2	9.1	1N5349B
1N5350B	13	12.35	13.65	2.5	100	100	1	1	9.9	1N5350B
1N5351B	14	13.3	14.7	2.5	100	75	1	1	10.6	1N5351B
1N5352B	15	14.25	15.75	2.5	75	75	1	1	11.5	1N5352B
1N5353B	16	15.2	16.8	2.5	75	75	1	1	12.2	1N5353B
1N5354B	17	16.15	17.85	2.5	70	75	1	0.5	12.9	1N5354B
1N5355B	18	17.1	18.9	2.5	65	75	1	0.5	13.7	1N5355B
1N5356B	19	18.05	19.95	3	65	75	1	0.5	14.4	1N5356B
1N5357B	20	19	21	3	65	75	1	0.5	15.2	1N5357B
1N5358B	22	20.9	23.1	3.5	50	75	1	0.5	16.7	1N5358B
1N5359B	24	22.8	25.2	3.5	50	100	1	0.5	18.2	1N5359B
1N5360B	25	23.75	26.25	4	50	110	1	0.5	19	1N5360B
1N5361B	27	25.65	28.35	5	50	120	1	0.5	20.6	1N5361B
1N5362B	28	26.6	29.4	6	50	130	1	0.5	21.2	1N5362B
1N5363B	30	28.5	31.5	8	40	140	1	0.5	22.8	1N5363B
1N5364B	33	31.35	34.65	10	40	150	1	0.5	25.1	1N5364B
1N5365B	36	34.2	37.8	11	30	160	1	0.5	27.4	1N5365B
1N5366B	39	37.05	40.95	14	30	170	1	0.5	29.7	1N5366B
1N5367B	43	40.85	45.15	20	30	190	1	0.5	32.7	1N5367B
1N5368B	47	44.65	49.35	25	25	210	1	0.5	35.8	1N5368B
1N5369B	51	48.45	53.55	27	25	230	1	0.5	38.8	1N5369B
1N5370B	56	53.2	58.8	35	20	280	1	0.5	42.6	1N5370B
1N5371B	60	57	63	40	20	350	1	0.5	42.5	1N5371B
1N5372B	62	58.9	65.1	42	20	400	1	0.5	47.1	1N5372B
1N5373B	68	64.6	71.4	44	20	500	1	0.5	51.7	1N5373B
1N5374B	75	71.25	78.75	45	20	620	1	0.5	56	1N5374B
1N5375B	82	77.9	86.1	65	15	720	1	0.5	62.2	1N5375B
1N5376B	87	82.65	91.35	75	15	760	1	0.5	66	1N5376B
1N5377B	91	86.45	95.55	75	15	760	1	0.5	69.2	1N5377B
1N5378B	100	95	105	90	12	800	1	0.5	76	1N5378B
1N5379B(*)	110	104.5	115.5	125	12	1000	1	0.5	83.6	1N5379B
1N5380B(*)	120	114	126	170	10	1150	1	0.5	91.2	1N5380B
1N5381B(*)	130	123.5	136.5	190	10	1250	1	0.5	98.8	1N5381B
1N5382B(*)	140	133	147	230	8	1500	1	0.5	106	1N5382B
1N5383B(*)	150	142.5	157.5	330	8	1500	1	0.5	114	1N5383B
1N5384B(*)	160	152	168	350	8	1650	1	0.5	122	1N5384B
1N5385B(*)	170	161.5	178.5	380	8	1750	1	0.5	129	1N5385B
1N5386B(*)	180	171	189	430	5	1750	1	0.5	137	1N5386B
1N5387B(*)	190	180.5	199.5	450	5	1850	1	0.5	144	1N5387B
1N5388B(*)	200	190	210	480	5	1850	1	0.5	152	1N5388B

NOTE: Part number(*) for Preparation specification.

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RATINGS AND CHARACTERISTIC CURVES

FIG. 1-STEADY STATE POWER DERATING

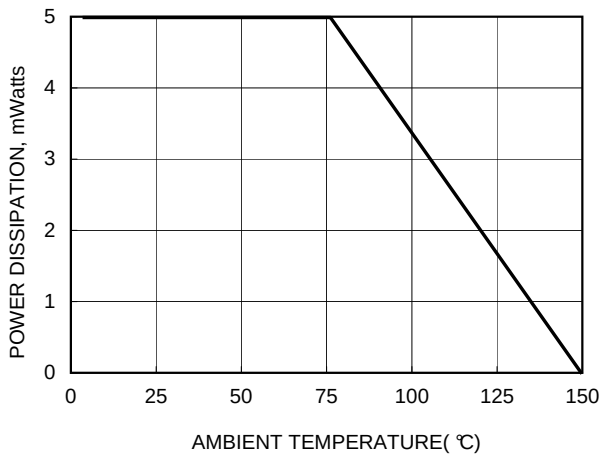

FIG. 2- TEMPERATURE COFFICENTS-RANGE for 11 to 39 Voltage

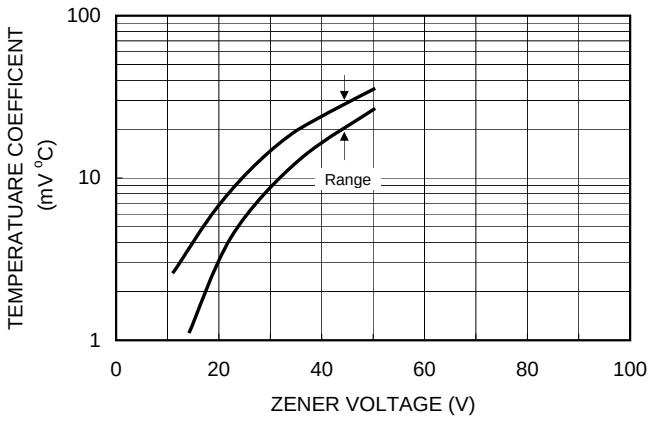

FIG. 3-Peak Surge Current versus Pulse Width

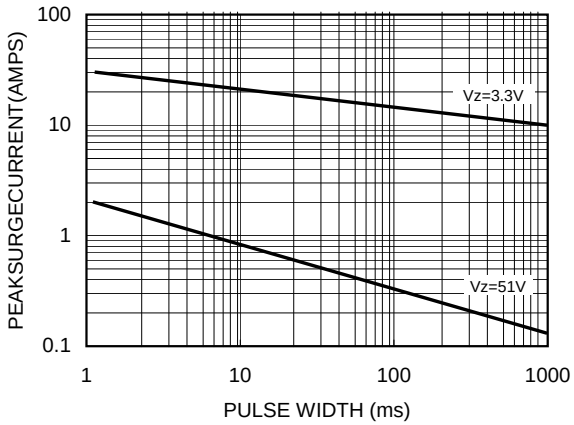

FIG.4-TYPICAL FORWARD VOLTAGE