





Zener and Avalanche Regulator Diodes

Table 28. General-Purpose Regulator Diodes







Nominal Zener Voltage	250 mW		250 mW		350 mW		400 mW		500 mW		
	Low Level Cathode = Polarity Mark	Low Noise Cathode = Polarity Mark	Low Level Cathode = Polarity Mark	Low Noise Cathode = Polarity Mark	Cathode = Polarity Mark	Low Noise Cathode = Polarity Mark	Low Leakage Cathode = Polarity Mark	Cathode = Polarity Mark			
(*Note 1)	(*Notes 2,11)		(*Note 2)	(*Note 2)	(*Notes 5,13)	(*Note 3)	(*Note 4)	(*Note 8)	(*Note 9)		
											
	Glass Case 362-01		Glass DO-204AH (DO-35)		Case 318-05 Style 8 SOT-23		Case 299-02		Glass DO-204AH (DO-35)		
1.8	MLL4678	MLL4614	1N4678	1N4614							
2	MLL4679	MLL4615	1N4679	1N4615							
2.2	MLL4680	MLL4616	1N4680	1N4616							
2.4	MLL4681	MLL4617	1N4681	1N4617							
2.5											
2.7	MLL4682	MLL4618	1N4682	1N4618					1N4370	1N5221A	
2.8									1N4371	1N5223A	
3	MLL4683	MLL4619	1N4683	1N4619					1N4372	1N5225A	
3.3	MLL4684	MLL4620	1N4684	1N4620	MMBZ5226B			1N5518A	1N746	1N5226A	
3.6	MLL4685	MLL4621	1N4685	1N4621	MMBZ5227B			1N5519A	1N747	1N5227A	
3.9	MLL4686	MLL4622	1N4686	1N4622	MMBZ5228B			1N5520A	1N748	1N5228A	
4.3	MLL4687	MLL4623	1N4687	1N4623	MMBZ5229B			1N5521A	1N749	1N5229A	
4.7	MLL4688	MLL4624	1N4688	1N4624	MMBZ5230B		BZX84C4V7	1N5522A	1N750	1N5230A	
5.1	MLL4689	MLL4625	1N4689	1N4625	MMBZ5231B		BZX84C5V1	1N5523A	1N751	1N5231A	
5.6	MLL4690	MLL4626	1N4690	1N4626	MMBZ5232B		BZX84C5V6	1N5524A	1N752	1N5232A	
6					MMBZ5233B						
6.2	MLL4691	MLL4627	1N4691	1N4627	MMBZ5234B		BZX84C6V2	1N5525A	1N753	1N5234A	
6.8	MLL4692	MLL4099	1N4692	1N4099	MMBZ5235B		BZX84C6V8	1N5526A	1N754	1N5235A	
								1N957A			
7.5	MLL4693	MLL4100	1N4693	1N4100	MMBZ5236B		BZX84C7V5	1N5527A	1N755	1N5236A	
								1N958A			
8.2	MLL4694	MLL4101	1N4694	1N4101	MMBZ5237B		BZX84C8V2	1N5228A	1N756	1N5237A	
								1N959A			
8.7	MLL4695	MLL4102	1N4695	1N4102	MMBZ5238B				1N757	1N5238A	
9.1	MLL4696	MLL4103	1N4696	1N4103	MMBZ5239B		BZX84C9V1	1N5529A	1N960A	1N5239A	
10	MLL4697	MLL4104	1N4697	1N4104	MMBZ5240B		BZX84C10	1N5530A	1N758	1N5240A	
								1N961A			
11	MLL4698	MLL4105	1N4698	1N4105	MMBZ5241B		BZX84C11	1N5531A	1N962A	1N5241A	
12	MLL4699	MLL4106	1N4699	1N4106	MMBZ5242B		BZX84C12	1N5532A	1N759	1N5242A	
								1N963A			
13	MLL4700	MLL4107	1N4700	1N4107	MMBZ5243B		BZX84C13	1N5533A	1N964A	1N5243A	
14	MLL4701	MLL4108	1N4701	1N4108	MMBZ5244B			1N5334A		1N5244A	
15	MLL4702	MLL4109	1N4702	1N4109	MMBZ5245B		BZX84C15	1N5335A	1N965A	1N5245A	
16	MLL4703	MLL4110	1N4703	1N4110	MMBZ5246B		BZX84C16	1N5336A	1N966A	1N5246A	
17	MLL4704	MLL4111	1N4704	1N4111	MMBZ5247B			1N5337A		1N5247A	
18	MLL4705	MLL4112	1N4705	1N4112	MMBZ5248B		BZX84C18	1N5338A	1N967A	1N5248A	
19	MLL4706	MLL4113	1N4706	1N4113	MMBZ5249B			1N5539A		1N5249A	
20	MLL4707	MLL4114	1N4707	1N4114	MMBZ5250B		BZX84C20	1N5540A	1N968A	1N5250A	
22	MLL4708	MLL4115	1N4708	1N4115	MMBZ5251B		BZX84C22	1N5541A	1N969A	1N5251A	
24	MLL4709	MLL4116	1N4709	1N4116	MMBZ5252B		BZX84C24	1N5542A	1N970A	1N5252A	
25	MLL4710	MLL4117	1N4710	1N4117	MMBZ5253B			1N5543A		1N5253A	
27	MLL4711	MLL4118	1N4711	1N4118	MMBZ5254B		BZX84C27		1N971A	1N5254A	
28	MLL4712	MLL4119	1N4712	1N4119	MMBZ5255B			1N5544A		1N5255A	
30	MLL4713	MLL4120	1N4713	1N4120	MMBZ5256B		BZX84C30	1N5545A	1N972A	1N5256A	
33	MLL4714	MLL4121	1N4714	1N4121	MMBZ5257B		BZX84C33	1N5546A	1N973A	1N5257A	
36	MLL4715	MLL4122	1N4715	1N4122					1N974A	1N5258A	
39	MLL4716	MLL4123	1N4716	1N4123					1N975A	1N5259A	
43	MLL4717	MLL4124	1N4717	1N4124					1N976A	1N5260A	
47		MLL4125		1N4125					1N977A	1N5261A	
51		MLL4126		1N4126					1N978A	1N5262A	
56		MLL4127		1N4127					1N979A	1N5263A	
60		MLL4128		1N4128						1N5264A	
62		MLL4129		1N4129					1N980A	1N5265A	
68		MLL4130		1N4130					1N981A	1N5266A	
75		MLL4131		1N4131					1N982A	1N5267A	
82		MLL4132		1N4132					1N983A	1N5268A	
87		MLL4133		1N4133						1N5269A	
91		MLL4134		1N4134					1N984A	1N5270A	
100		MLL4135		1N4135					1N985A	1N5271A	
110									1N986A	1N5272A	
120									1N987A	†1N5273A	
130									1N988A	†1N5274A	
140										†1N5275A	
150									1N989A	†1N5276A	
160									1N990A	†1N5277A	
170										†1N5278A	
180									1N991A	†1N5279A	
200									1N992A	†1N5281A	

□ JAN JANTX(V) available, ± 5% only.

† 1N987A–1N992A & 1N5273A–1N5281A supplied in DO-7 glass package.

* See Notes — page 58.

Table 28. General-Purpose Regulator Diodes (continued)

Nominal Zener Voltage (*Note 1)	500 mW			1 Watt		1 Watt	1.5 Watt	5 Watt
	(*Note 9)	Cathode = Polarity Mark (*Notes 4,11) (*Notes 9,11)		(*Note 6)	Cathode = Polarity Mark (*Notes 6,12)		Cathode to Case (*Note 7)	Cathode = Polarity Mark (*Note 8)
	Case 299-02 Glass DO-204AH (DO-35)		Glass Case 362-01					
1.8 2 2.2 2.4 2.5 2.7 2.8 3 3.3	1N5985A 1N5986A 1N5987A 1N5988A	MLL4370 MLL4371 MLL4372 MLL746	MLL5221A MLL5222A MLL5223A MLL5224A MLL4225A MLL5226A	1N4728	MLL4728	1N3821	1N5913A	1N5333A
3.6 3.9 4.3 4.7 5.1 5.6 6 6.2	1N5989A 1N5990A 1N5991A 1N5992A 1N5993A 1N5994A 1N5995A	MLL747 MLL748 MLL749 MLL750 MLL751 MLL752 MLL753	MLL5227A MLL5228A MLL5229A MLL5230A MLL5231A MLL5232A MLL5233A MLL5234A	1N4729 1N4730 1N4731 1N4732 1N4733 1N4734	MLL4729 MLL4730 MLL4731 MLL4732 MLL4733 MLL4734	1N3822 1N3823 1N3824 1N3825 1N3826 1N3827	1N5914A 1N5915A 1N5916A 1N5917A 1N5918A 1N5919A	1N5334A 1N5335A 1N5336A 1N5337A 1N5338A 1N5339A
6.8	1N5996A	MLL754 MLL957A	MLL5235A	1N4736	MLL4736	1N3829 1N3016A	1N5920A 1N5921A	1N5342A
7.5	1N5997A	MLL755 MLL958A	MLL5236A	1N4737	MLL4737	1N3830 1N3017A	1N5922A	1N5343A
8.2	1N5998A	MLL756 MLL959A	MLL5237A	1N4738	MLL4738	1N3018A	1N5923A	1N5344A
8.7			MLL5238A					1N5345A
9.1	1N5999A	MLL757 MLL960A	MLL5239A	1N4739	MLL4739	1N3019A	1N5924A	1N5346A
10	1N6000A	MLL758 MLL961A	MLL5240A	1N4740	MLL4740	1N3020A	1N5925A	1N5347A
11	1N6001A	MLL962A	MLL5241A	1N4741	MLL4741	1N3021A	1N5926A	1N5348A
12	1N6002A	MLL759 MLL963A	MLL5242A	1N4742	MLL4742	1N3022A	1N5927A	1N5349A
13 14 15 16 17 18	1N6003A 1N6004A 1N6005A 1N6006A	MLL964A MLL965A MLL966A MLL967A	MLL5243A MLL5244A MLL5245A MLL5246A MLL5247A MLL5248A	1N4743 1N4744 1N4745 1N4746	MLL4743 MLL4744 MLL4745 MLL4746	1N3023A 1N3024A 1N3025A 1N3026A	1N5928A 1N5929A 1N5930A 1N5931A	1N5350A 1N5351A 1N5352A 1N5353A 1N5354A 1N5355A
19 20 22 24 25 27	1N6007A 1N6008A 1N6009A 1N6010A	MLL968A MLL969A MLL970A MLL971A	MLL5249A MLL5250A MLL5251A MLL5252A MLL5253A MLL5254A	1N4747 1N4748 1N4749 1N4750	MLL4747 MLL4748 MLL4749 MLL4750	1N3027A 1N3028A 1N3029A 1N3030A	1N5932A 1N5933A 1N5934A 1N5935A	1N5356A 1N5357A 1N5358A 1N5359A 1N5360A 1N5361A
28 30 33 36 39 43	1N6011A 1N6012A 1N6013A 1N6014A 1N6015A	MLL972A MLL973A MLL974A MLL975A MLL976A	MLL5255A MLL5256A MLL5257A MLL5258A MLL5259A MLL5260A	1N4751 1N4752 1N4753 1N4754 1N4755	MLL4751 MLL4752 MLL4753 MLL4754 MLL4755	1N3031A 1N3032A 1N3033A 1N3034A 1N3035A	1N5936A 1N5937A 1N5938A 1N5939A 1N5940A	1N5362A 1N5363A 1N5364A 1N5365A 1N5366A 1N5367A
47 51 56 60 62 68	1N6016A 1N6017A 1N6018A 1N6019A 1N6020A	MLL977A MLL978A MLL979A MLL980A MLL981A	MLL5261A MLL5262A MLL5263A MLL5264A MLL5265A MLL5266A	1N4756 1N4757 1N4758 1N4759 1N4760	MLL4756 MLL4757 MLL4758 MLL4759 MLL4760	1N3036A 1N3037A 1N3038A 1N3039A 1N3040A	1N5941A 1N5942A 1N5943A 1N5944A 1N5945A	1N5368A 1N5369A 1N5370A 1N5371A 1N5372A 1N5373A
75 82 87 91 100 110	1N6021A 1N6022A 1N6023A 1N6024A 1N6025A	MLL982A MLL983A MLL984A MLL985A MLL986A	MLL5267A MLL5268A MLL5269A MLL5270A	1N4761 1N4762 1N4763 1N4764	MLL4761 MLL4762 MLL4763 MLL4764	1N3041A 1N3042A 1N3043A 1N3044A 1N3045A	1N5946A 1N5947A 1N5958A 1N5949A 1N5950A	1N5374A 1N5375A 1N5376A 1N5377A 1N5378A 1N5379A
120 130 150 160 170 175 180 200						1N3046A 1N3047A 1N3048A 1N3049A 1N3050A 1N3051A	1N5951A 1N5952A 1N5953A 1N5954A 1N5955A 1N5956A	1N5380A 1N5831A 1N5383A 1N5384A 1N5385A 1N5386A 1N5388A