

General-Purpose Regulator Diodes (continued)

Nominal Zener Voltage	500 mW Cathode = Polarity Mark	1 Watt Cathode = Polarity Mark		1 Watt Cathode to Case	1.5 Watt Cathode = Polarity Mark	5 Watt Cathode = Polarity Mark
(*Note 1)	(*Notes 2,6,14)	(*Notes 2,7,18)	(*Notes 2,7,15)	(*Notes 2,8)	(*Notes 2,9,18)	(*Notes 2,11,18)
	 Glass Case 362-01	 Glass Case 59 (DO-41)	 Glass Case 362B-01	 Metal Case 52 (DO-13)	 Surmetic 30 Case 59 (DO-41)	 Surmetic 40 Case 17
1.8 2.0 2.2 2.4 2.5 2.7 2.8 3.0 3.3	MLL5221B MLL5222B MLL5223B MLL5224B MLL5225B MLL5226B	1N4728A	MLL4728A	1N3821A	1N5913B	1N5333B
3.6 3.9 4.3 4.7 5.1 5.6 6.0 6.2	MLL5227B MLL5228B MLL5229B MLL5230B MLL5231B MLL5232B MLL5233B MLL5234B	1N4729A 1N4730A 1N4731A 1N4732A 1N4733A 1N4734A 1N4735A	MLL4729A MLL4730A MLL4731A MLL4732A MLL4733A MLL4734A MLL4735A	1N3822A 1N3823A 1N3824A 1N3825A 1N3826A 1N3827A	1N5914B 1N5915B 1N5916B 1N5917B 1N5918B 1N5919B	1N5334B 1N5335B 1N5336B 1N5337B 1N5338B 1N5339B
6.8	MLL5235B	1N4736A	MLL4736A	1N3829A 1N3016B	1N5920B	1N5341A,RL
7.5	MLL5236B	1N4737A	MLL4737A	1N3828A 1N3017B	1N5921B	1N5342B
8.2	MLL5237B	1N4738A	MLL4738A	1N3830A 1N3018B	1N5922B	1N5343B
8.7	MLL5238B			1N3019B	1N5923B	1N5344B
9.1	MLL5239B	1N4739A	MLL4739A		1N5924B	1N5345B
10	MLL5240B	1N4740A	MLL4740A	1N3020B	1N5925B	1N5346B
11	MLL5241B	1N4741A	MLL4741A	1N3021B	1N5926B	1N5347B
12	MLL5242B	1N4742A	MLL4742A	1N3022B	1N5927B	1N5348B
13 14 15 16 17 18	MLL5243B MLL5244B MLL5245B MLL5246B MLL5247B MLL5248B	1N4743A 1N4744A 1N4745A 1N4746A	MLL4743A MLL4744A MLL4745A MLL4746A	1N3023B 1N3024B 1N3025B 1N3026B	1N5928B 1N5929B 1N5930B 1N5931B	1N5350B 1N5351B 1N5352B 1N5353B 1N5354B 1N5355B
19 20 22 24 25 27	MLL5249B MLL5250B MLL5251B MLL5252B MLL5253B MLL5254B	1N4747A 1N4748A 1N4749A 1N4750A	MLL4747A MLL4748A MLL4749A MLL4750A	1N3027B 1N3028B 1N3029B 1N3030B	1N5932B 1N5933B 1N5934B 1N5935B	1N5356B 1N5357B 1N5358B 1N5359B 1N5360B 1N5361B
28 30 33 36 39 43	MLL5255B MLL5256B MLL5257B MLL5258B MLL5259B MLL5260B	1N4751A 1N4752A 1N4753A 1N4754A 1N4755A	MLL4751A MLL4752A MLL4753A MLL4754A MLL4755A	1N3031B 1N3032B 1N3033B 1N3034B 1N3035B	1N5936B 1N5937B 1N5938B 1N5939B 1N5940B	1N5362B 1N5363B 1N5364B 1N5365B 1N5366B 1N5367B
47 51 56 60 62 68	MLL5261B MLL5262B MLL5263B MLL5264B MLL5265B MLL5266B	1N4756A 1N4757A 1N4758A 1N4759A 1N4760A	MLL4756A MLL4757A MLL4758A MLL4759A MLL4760A	1N3036B 1N3037B 1N3038B 1N3039B 1N3040B	1N5941B 1N5942B 1N5943B 1N5944B 1N5945B	1N5368B 1N5369B 1N5370B 1N5371B 1N5372B 1N5373B
75 82 87 91 100 110	MLL5267B MLL5268B MLL5269B MLL5270B	1N4761A 1N4762A 1N4763A 1N4764A ♦1M110ZS10	MLL4761A MLL4762A MLL4763A MLL4764A	1N3041B 1N3042B 1N3043B 1N3044B 1N3045B	1N5946B 1N5947B 1N5958B 1N5949B 1N5950B	1N5374B 1N5375B 1N5376B 1N5377B 1N5378B 1N5379B
120 130 150 160 170 175 180 200		♦1M120ZS10 ♦1M130ZS10 ♦1M150ZS10 ♦1M160ZS10 ♦1M170ZS10 ♦1M180ZS10 ♦1M200ZS10		1N3046B 1N3047B 1N3048B 1N3049B 1N3050B 1N3051B	1N5951B 1N5952B 1N5953B 1N5954B 1N5955B 1N5956B	1N5380B 1N5381B 1N5383B 1N5384B 1N5385B 1N5386B 1N5388B

♦ 1M110ZS10 Series supplied in Surmetic (Plastic) DO-41 package.

SURFACE MOUNT PRODUCTS — LEADLESS ZENER DIODES (continued)

MLL41 — 1.0 Watt Zeners

Device (Note 1)	Nominal Zener Voltage V _Z @ I _{ZT} (Volts) (Note 2)	Test Current I _{ZT} (mA)	Maximum Zener Impedance			Leakage Current		Surge Current @ T _A = 28°C I _r — mA
			Z _{ZT} @ I _{ZT} (Ohms)	Z _{ZK} @ I _{ZK} (Ohms)	I _{ZK} (mA)	I _R Max (μA)	V _R (Volts)	
MLL4728A,TA	3.3	75	10	400	1.0	100	1.0	1380
MLL4729A,TA	3.6	69	10	400	1.0	100	1.0	1260
MLL4730A,TA	3.9	64	9.0	400	1.0	50	1.0	1190
MLL4731A,TA	4.3	58	9.0	400	1.0	10	1.0	1070
MLL4732A,TA	4.7	53	8.0	500	1.0	10	1.0	970
MLL4733A,TA	5.1	49	7.0	550	1.0	10	1.0	890
MLL4734A,TA	5.6	45	5.0	600	1.0	10	2.0	810
MLL4735A,TA	6.2	41	2.0	700	1.0	10	3.0	730
MLL4736A,TA	6.8	37	3.5	700	1.0	10	4.0	660
MLL4737A,TA	7.5	34	4.0	700	0.5	10	5.0	605
MLL4738A,TA	8.2	31	4.5	700	0.5	10	6.0	550
MLL4739A,TA	9.1	28	5.0	700	0.5	10	7.0	500
MLL4740A,TA	10	25	7.0	700	0.25	10	7.6	454
MLL4741A,TA	11	23	8.0	700	0.25	5.0	8.4	414
MLL4742A,TA	12	21	9.0	700	0.25	5.0	9.1	380
MLL4743A,TA	13	19	10	700	0.25	5.0	9.9	344
MLL4744A,TA	15	17	14	700	0.25	5.0	11.4	305
MLL4745A,TA	16	15.5	16	700	0.25	5.0	12.2	285
MLL4746A,TA	18	14	20	750	0.25	5.0	13.7	250
MLL4747A,TA	20	12.5	22	750	0.25	5.0	15.2	225
MLL4748A,TA	22	11.5	23	750	0.25	5.0	16.7	205
MLL4749A,TA	25	10.5	25	750	0.25	5.0	18.2	190
MLL4750A,TA	27	9.5	35	750	0.25	5.0	20.6	170
MLL4751A,TA	30	8.5	40	1000	0.25	5.0	22.8	150
MLL4752A,TA	33	7.5	45	1000	0.25	5.0	25.1	135
MLL4753A,TA	36	7.0	50	1000	0.25	5.0	27.4	125
MLL4754A,TA	39	6.5	60	1000	0.25	5.0	29.7	115
MLL4755A,TA	43	6.0	70	1500	0.25	5.0	32.7	110
MLL4756A,TA	47	5.5	80	1500	0.25	5.0	35.8	95
MLL4757A,TA	51	5.0	95	1500	0.25	5.0	38.8	90
MLL4758A,TA	56	4.5	110	2000	0.25	5.0	42.6	80
MLL4759A,TA	62	4.0	125	2000	0.25	5.0	47.1	70
MLL4760A,TA	68	3.7	150	2000	0.25	5.0	51.7	65
MLL4761A,TA	75	3.3	175	2000	0.25	5.0	56.0	60
MLL4762A,TA	82	3.0	200	3000	0.25	5.0	62.2	55
MLL4763A,TA	91	2.8	250	300	0.25	5.0	69.2	50

Notes:

(1) Tolerance

No suffix = ±10%

A suffix = ±5%

T1 suffix = cathode facing sprocket holes

(2) Specials Available Include:

(a) Nominal zener voltages, between the voltages shown and tighter voltage tolerances

(b) Matched sets.

