

MLL700 900 & 4300 Series

MLL700, 900 & 4300 Series

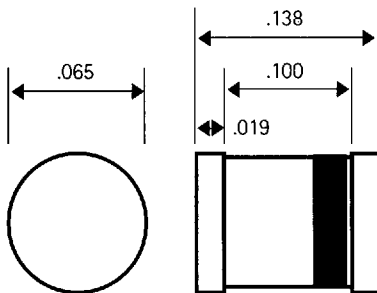
1/2 WATT MLL ZENER DIODES (2.4V TO 110V)

Description



Mechanical Dimensions

all dimensions in inches



Features:

- Wide Voltage Range - 2.4 to 110 Volts
- 5 & 10% Voltage Tolerances Available
- Meets or exceeds UL Flammability Specification 94V-0

Ratings

P_D	DC Power Dissipation with $T_a = 50^\circ\text{C}$	1/2 W
	Derate above 50°C	3.3 mW/ $^\circ\text{C}$
T_j	Operating temperature	-65 to +200 degC
T_{stg}	Storage temperature range	-65 to +200 degC

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Device	Nominal Zener Voltage	Test Current Izt = mA	Max Zener Impedance Zzt @ Izt	Max DC Zener Current	Max reverse current Ta=25°C, Vr=1V	Max leakage current Ta=150°C
			Ohms	mA	mA	uA
MLL4370	2.4	20	30	150	190	100
MLL4371	2.7	20	30	135	165	75
MLL4372	3.0	20	29	120	150	50
MLL740	3.3	20	28	110	135	10
MLL745	3.6	20	24	100	125	10
MLL748	3.9	20	23	95	115	10
MLL749	4.3	20	22	85	105	3
MLL750	4.7	20	10	75	95	2
MLL751	5.1	20	12	70	85	1
MLL752	5.6	20	11	65	80	1
MLL753	6.2	20	7	60	70	0.1
MLL754	6.8	20	5	55	65	0.1
MLL755	7.5	20	6	50	60	0.1
MLL756	8.2	20	8	45	55	0.1
MLL757	9.1	20	10	40	50	0.1
MLL758	10	20	12	35	45	0.1
MLL759	12	20	30	30	35	0.1

Device	Nominal Zener Voltage	Test Current Izt = mA	Max DC Zener Impedance			Max DC Zener I		Max reverse current Max Izt	Max leakage current Test Voltage Vdc	
			Zzt @ Izt Ohms	Zzt @ Izt Ohms	Izt mA	mA	mA		uA	5%
MLL957A	6.8	18.5	4.5	700	1.0	47	81	150	5.2	4.9
MLL958A	7.5	16.5	5.5	700	0.5	42	65	75	5.7	5.4
MLL959A	8.2	15	6.5	700	0.5	38	50	50	6.2	5.8
MLL960A	9.1	14	7.5	700	0.5	36	45	25	6.8	6.0
MLL961A	10	12.5	8.5	700	0.25	32	41	10	7.6	7.2
MLL962A	11	11.5	9.5	700	0.25	28	37	5.0	8.4	8.6
MLL963A	12	10.5	11.5	700	0.25	26	35	5.0	9.1	9.6
MLL964A	13	9.5	13	700	0.25	24	32	5.0	9.9	9.4
MLL965A	15	8.5	16	700	0.25	21	27	5.0	11.4	10.9
MLL966A	16	7.5	17	700	0.25	19	23	5.0	12.2	11.9
MLL967A	18	7.0	21	750	0.25	17	21	5.0	13.7	13.0
MLL968A	20	6.2	25	750	0.25	15	20	5.0	14.8	14.4
MLL969A	22	5.6	29	750	0.25	14	18	5.0	16.1	15.8
MLL970A	24	5.2	33	750	0.25	12	17	5.0	18.2	17.3
MLL971A	27	4.6	41	750	0.25	11	15	5.0	20.6	19.4
MLL972A	30	4.2	48	1000	0.25	10	13	5.0	22.8	21.8
MLL973A	33	3.6	58	1000	0.25	9.2	12	5.0	25.1	23.8
MLL974A	36	3.4	70	1000	0.25	8.5	11	5.0	27.4	25.8
MLL975A	39	3.2	80	1000	0.25	7.8	10	5.0	29.7	28.1
MLL976A	43	3.0	93	1500	0.25	7.0	9.6	5.0	32.7	31.0
MLL977A	47	2.7	105	1500	0.25	6.4	8.8	5.0	35.8	33.8
MLL978A	51	2.5	125	1500	0.25	5.8	8.1	5.0	38.8	36.7
MLL979A	56	2.2	150	2000	0.25	5.4	7.4	5.0	42.6	40.3
MLL980A	62	2.0	185	2000	0.25	4.9	6.7	5.0	47.1	44.0
MLL981A	68	1.8	230	2000	0.25	4.5	6.1	5.0	51.2	49.0
MLL982A	75	1.7	270	2000	0.25	4.0	5.5	5.0	55.0	54.0
MLL983A	82	1.5	330	3000	0.25	3.7	5.0	5.0	62.2	58.0
MLL984A	91	1.4	400	3000	0.25	3.3	4.6	5.0	69.2	65.6
MLL985A	100	1.3	500	3000	0.25	3.0	4.3	5.0	76.0	72.0
MLL986A	110	1.1	750	4000	0.25	2.7	4.1	5.0	83.6	79.2

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