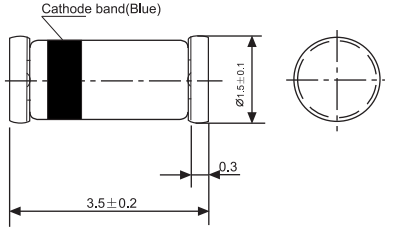
LL5221B~LL5267B Series

Zener diode

Voltage Range
2.4 to 75 Volts

Glass Case
Mini Melf/SOD 80
JEDEC DO 213AA



Features
1.High reliability
2.Very sharp reverse characteristic
3.Low reverse current level
4.Vz-tolerance ±5%

Applications
Voltage stabilization

Absoluto Maximum Ratings
Tj=25^{0}C

Parameter	Test Conditions	Type	Symbol	Value	Unit
Power dissipation	Tamb≤75^{0}C		P_D	1	W
Z-current			I_Z	P_D/V_Z	mA
Junction temperature			Tj	200	^{0}C
Storage temperature range			Tstg	-60~+175	^{0}C

Maximum Thermal Reslstance
Tj=25^{0}C

Parameter	Test Condltions	Symbol	Value	Unit
Junction ambient	l=9.5mm(3/8")T_L=constant	R_{thJA}	300	K/W

Electrcal Characteristics
Tj=25^{0}C

Parameter	Test Conditions	Type	Symbol	Min	Typ	Max	Unit
Forward voltage	I_F=200mA		V_F			1.1	V

Type	Vznom	Izt for Vzt and Rzt		R_{zk} at Izk		I_R at V_R		TK_{VZ}
	V	mA	Ω	Ω	mA	uA	V	%/K
LL5221B	2.4	20	<30	<1200	0.25	<100	1.0	<-0.085
LL5222B	2.5	20	<30	<1250	0.25	<100	1.0	<-0.085
LL5223B	2.7	20	<30	<1300	0.25	<75	1.0	<-0.080
LL5224B	2.8	20	<30	<1400	0.25	<75	1.0	<-0.080
LL5225B	3.0	20	<29	<1600	0.25	<50	1.0	<-0.075
LL5226B	3.3	20	<28	<1600	0.25	<25	1.0	<-0.070
LL5227B	3.6	20	<24	<1700	0.25	<15	1.0	<-0.065
LL5228B	3.9	20	<23	<1900	0.25	<10	1.0	<-0.060
LL5229B	4.3	20	<22	<2000	0.25	<5	1.0	<+0.055
LL5230B	4.7	20	<19	<1900	0.25	<5	2.0	<+0.030
LL5231B	5.1	20	<17	<1600	0.25	<5	2.0	<+0.030
LL5232B	5.6	20	<11	<l600	0.25	<5	3.0	<+0.038
LL5233B	6.0	20	<7	<1600	0.25	<5	3.5	<+0.038
LL5234B	6.2	20	<7	<1000	0.25	<5	4.0	<+0.045
LL5235B	6.8	20	<5	<750	0.25	<3<3	5.0	<+0.050
LL5236B	7.5	20	<6	<500	0.25	<3	6.0	<+0.058
LL5237B	8.2	20	<8	<500	0.25	<3	6.5	<+0.062
LL5238B	8.7	20	<8	<600	0.25	<3	6.5	<+0.065
LL5239B	9.1	20	<10	<600	0.25	<3	7.0	<+0.068
LL5240B	10	20	<17	<600	0.25	<2	8.0	<+0.075
LL5241B	11	20	<22	<600	0.25	<1	8.4	<+0.076
LL5242B	12	20	<30	<600	0.25	<0.5	9.1	<+0.077
LL5243B	13	9.5	<13	<600	0.25	<0.1	9.9	<+0.079
LL5244B	14	9.0	<15	<600	0.25	<0.1	10	<+0.082
LL5245B	15	8.5	<16	<600	0.25	<0.1	11	<+0.082
LL5246B	16	7.8	<17	<600	0.25	<0.1	12	<+0.083
LL5247B	17	7.4	<19	<600	0.25	<0.1	13	<+0.084
LL5248B	18	7.0	<21	<600	0.25	<0.1	14	<+0.085
LL5249B	19	6.6	<23	<600	0.25	<0.1	15	<+0.086
LL5250B	20	6.2	<25	<600	0.25	<0.1	16	<+0.086
LL5251B	22	5.6	<39	<600	0.25	<0.1	17	<+0.087
LL5252B	24	5.2	<33	<600	0.25	<0.1	18	<+0.088
LL5253B	25	5.0	<35	<600	0.25	<0.1	19	<+0.089
LL5254B	27	4.6	<41	<600	0.25	<0.1	21	<+0.090
LL5255B	28	4.5	<44	<600	0.25	<0.1	21	<+0.091
LL5256B	30	4.2	<49	<600	0.25	<0.1	23	<+0.091
LL5257B	33	3.8	<58	<700	0.25	<0.1	25	<+0.092
LL5258B	36	3.4	<70	<700	0.25	<0.1	27	<+0.093
LL5259B	39	3.2	<80	<800	0.25	<0.1	30	<+0.094
LL5260B	43	3.0	<93	<900	0.25	<0.1	33	<+0.095
LL5261B	47	2.7	<105	<1000	0.25	<0.1	36	<+0.095
LL5262B	51	2.5	<125	<1100	0.25	<0.1	39	<+0.096
LL5263B	56	2.2	<150	<1300	0.25	<0.1	43	<+0.096
LL5264B	60	2.1	<170	<1400	0.25	<0.1	46	<+0.097
LL5265B	62	2.0	<185	<1400	0.25	<0.1	47	<+0.097
LL5266B	68	1.8	<230	<1600	0.25	<0.1	52	<+0.097
LL5267B	75	1.7	<270	<1700	0.25	<0.1	58	<+0.098

1)Based on DC-measurement at thermal equilibrium while maintaining the lead temperature (T_L)at 30^0C, 9.5mm(3/8") from the diode body.