

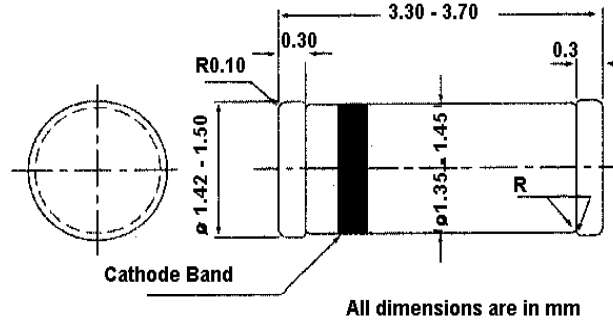


RECTRON
RECTIFIER SPECIALISTS



**ZMM5221B
thru
ZMM5261B**

500mW 5% mini-M.E.L.F. ZENER DIODE



Mini MELF (LL-34), SOD - 80C
Hermetically Sealed, Glass Silicon Diodes

ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

ITEMS	SYMBOL	VALUE	UNIT
Power Dissipation	P_{TOT}	500	mW
Thermal Resistance	R_{thJA}	0.3	K/mW
Forward Voltage @If= 10 mA	Vf	1.1	V
Vz Tolerance		5	%
Junction Temperature	T_j	-65 to +175	°C
Storage Temperature	T_{stg}	-65 to +175	°C

Mechanical Data

Items	Material
Package	mini-MELF (RoHS - HF)
Case	Hermetically sealed glass
Lead Finish	Sn plating

ELECTRICAL CHARACTERISTICS (Ta = 25°C unless specified otherwise)

TYPE	ZENER VOLTAGE		MAX ZENER IMPEDANCE	MAX ZENER IMPEDANCE	MAXIMUM REVERSE CURRENT		TEMP COEFF. dvz (%/°C)
	Vz(V)	IzT(mA)	Rz (ohms) IzT(mA)	IzT = 1.0mA Rz (ohms)	VR (V)	IR (uA)	
ZMM5221B	2.4	20	30	1200	1.0	100	-0.085
ZMM5222B	2.5	20	30	1250	1.0	100	-0.085
ZMM5223B	2.7	20	30	1300	1.0	75	-0.080
ZMM5224B	2.8	20	30	1400	1.0	75	-0.080
ZMM5225B	3.0	20	29	1600	1.0	50	-0.075

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	Vz(V)	IzT(mA)	Rz (ohms) IzT(mA)	IzT = 1.0mA Rz (ohms)	VR (V)	IR (uA)	
ZMM5226B	3.3	20	28	1600	1.0	25	-0.070
ZMM5227B	3.6	20	24	1700	1.0	15	-0.065
ZMM5228B	3.9	20	23	1900	1.0	10	-0.060
ZMM5229B	4.3	20	22	2000	1.0	5	+/-0.055
ZMM5230B	4.7	20	19	1900	2.0	5	+/-0.030
ZMM5231B	5.1	20	17	1600	2.0	5	+/-0.030
ZMM5232B	5.6	20	11	1600	3.0	5	+0.038
ZMM5233B	6.0	20	7	1600	3.5	5	+0.038
ZMM5234B	6.2	20	7	1000	4.0	5	+0.045
ZMM5235B	6.8	20	5	750	5.6	3.0	+0.050
ZMM5236B	7.5	20	6	500	6.0	3.0	+0.058
ZMM5237B	8.2	20	8	500	6.5	3.0	+0.062
ZMM5238B	8.7	20	8	600	6.5	3.0	+0.065
ZMM5239B	9.1	20	10	600	7.0	3.0	+0.068
ZMM5240B	10	20	17	600	8.0	3.0	+0.075
ZMM5241B	11	20	22	600	8.4	2.0	+0.076
ZMM5242B	12	20	30	600	9.1	1.0	+0.077
ZMM5243B	13	9.5	13	600	9.9	0.5	+0.079
ZMM5244B	14	9.0	15	600	10	0.1	+0.082
ZMM5245B	15	8.5	16	600	11	0.1	+0.082
ZMM5246B	16	7.8	17	600	12	0.1	+0.083
ZMM5247B	17	7.4	19	600	13	0.1	+0.084
ZMM5248B	18	7.0	21	600	14	0.1	+0.085
ZMM5249B	19	6.6	23	600	14	0.1	+0.086
ZMM5250B	20	6.2	25	600	15	0.1	+0.086
ZMM5251B	22	5.6	29	600	17	0.1	+0.087
ZMM5252B	24	5.2	33	600	18	0.1	+0.088
ZMM5253B	25	5.0	35	600	19	0.1	+0.089
ZMM5254B	27	4.6	41	600	21	0.1	+0.090
ZMM5255B	28	4.5	44	600	21	0.1	+0.091
ZMM5256B	30	4.2	49	600	23	0.1	+0.091
ZMM5257B	33	3.8	58	700	25	0.1	+0.092
ZMM5258B	36	3.4	70	700	27	0.1	+0.093
ZMM5259B	39	3.2	80	800	30	0.1	+0.094
ZMM5260B	43	3	93	900	33	0.1	+0.095
ZMM5261B	47	2.7	150	1000	36	0.1	+0.095