



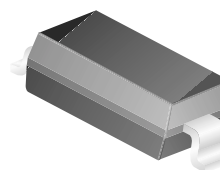
Zeners

MMSZ5226B - MMSZ5257B

Absolute Maximum Ratings*

T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation @ 25°C	500	mW
R _{θJA}	Thermal Resistance, Junction to Ambient **	340	°C/W
T _{stg}	Storage Temperature Range	-55 to +150	°C
T _J	Operating Junction Temperature	+ 150	°C



SOD-123

*These ratings are limiting values above which serviceability of any semiconductor may be impaired.

**FR-4 or FR-5 = 3.5 x 1.5 inches using minimum recommended land pads.

Electrical Characteristics

T_A = 25°C unless otherwise noted

Device	Mark	V _Z (V)	Z _Z (Ω) @ I _Z (mA)	Z _{ZK} (Ω) @ I _{ZK} (mA)	I _R (μA) @ V _R (V)
MMSZ 5226B	D1	3.3	28 20	1,600 0.25	25 1.0
MMSZ 5227B	D2	3.6	24 20	1,700 0.25	15 1.0
MMSZ 5228B	D3	3.9	23 20	1,900 0.25	10 1.0
MMSZ 5229B	D4	4.3	22 20	1,000 0.25	5.0 1.0
MMSZ 5230B	D5	4.7	19 20	1,900 0.25	5.0 2.0
MMSZ 5231B	E1	5.1	17 20	1,600 0.25	5.0 2.0
MMSZ 5232B	E2	5.6	11 20	1,600 0.25	5.0 3.0
MMSZ 5233B	E3	6.0	7.0 20	1,600 0.25	5.0 3.5
MMSZ 5234B	E4	6.2	7.0 20	1,000 0.25	5.0 4.0
MMSZ 5235B	E5	6.8	5.0 20	750 0.25	3.0 5.0
MMSZ 5236B	F1	7.5	6.0 20	500 0.25	3.0 6.0
MMSZ 5237B	F2	8.2	8.0 20	500 0.25	3.0 6.5
MMSZ 5238B	F3	8.7	8.0 20	600 0.25	3.0 6.5
MMSZ 5239B	F4	9.1	10 20	600 0.25	3.0 7.0
MMSZ 5240B	F5	10	17 20	600 0.25	3.0 8.0
MMSZ 5241B	H1	11	22 20	600 0.25	2.0 8.4
MMSZ 5242B	H2	12	30 20	600 0.25	1.0 9.1
MMSZ 5243B	H3	13	13 9.5	600 0.25	0.5 9.9
MMSZ 5244B	H4	14	15 9.0	600 0.25	0.1 10
MMSZ 5245B	H5	15	16 8.5	600 0.25	0.1 11
MMSZ 5246B	J1	16	17 7.8	600 0.25	0.1 12
MMSZ 5247B	J2	17	19 7.4	600 0.25	0.1 13
MMSZ 5248B	J3	18	21 7.0	600 0.25	0.1 14
MMSZ 5249B	J4	19	23 6.6	600 0.25	0.1 14
MMSZ 5250B	J5	20	25 6.2	600 0.25	0.1 15
MMSZ 5251B	K1	22	29 5.6	600 0.25	0.1 17
MMSZ 5252B	K2	24	33 5.2	600 0.25	0.1 18
MMSZ 5253B	K3	25	35 5.0	600 0.25	0.1 19
MMSZ 5254B	K4	27	41 4.6	600 0.25	0.1 21
MMSZ 5255B	K5	28	44 4.5	600 0.25	0.1 21
MMSZ 5256B	M1	30	49 4.2	600 0.25	0.1 23
MMSZ 5257B	M2	33	58 3.8	700 0.25	0.1 25

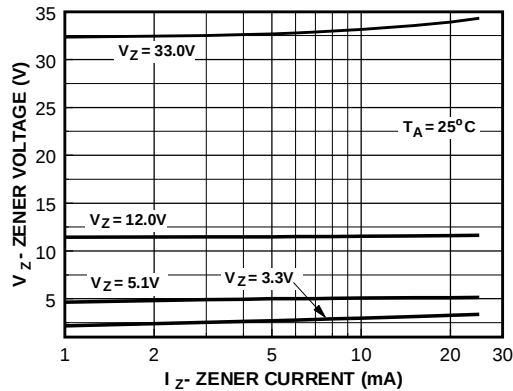
V_F Forward Voltage= 0.9 V Maximum @ I_F = 10 mA for all MMSZ 5200 series

Zeners (MMSZ5226B - MMSZ5257B)

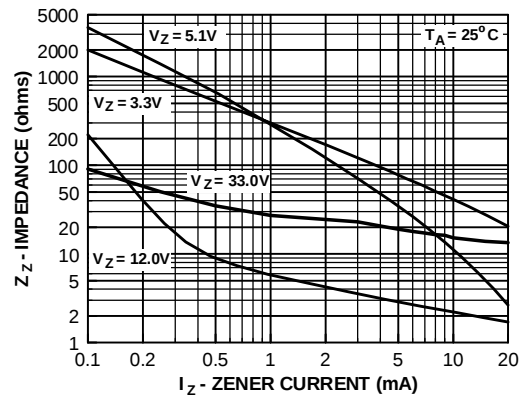
Zeners (MMSZ5226B - MMSZ5257B)

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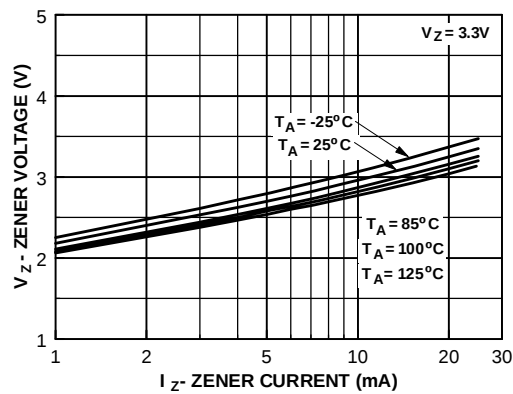
Typical Characteristics



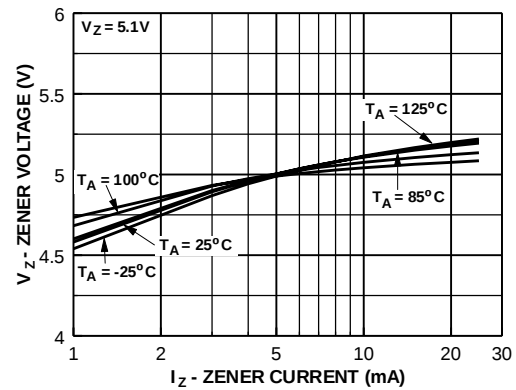
Zener Current vs. Zener Voltage



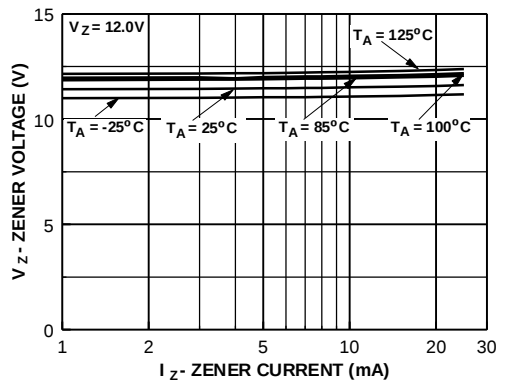
Zener Current vs. Zener Impedance



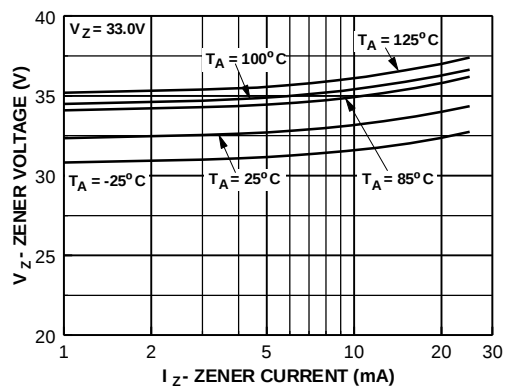
3.3 Zener Voltage vs. Temperature



5.1 Zener Voltage vs. Temperature



12 Zener Voltage vs. Zener Temperature



33 Zener Voltage vs. Zener Temperature

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DOME™	HiSeC™	PowerTrench [®]	SuperSOT™-8	
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