



ELECTRICAL CHARACTERISTICS ( $T_{amb} = 25\text{ }^{\circ}\text{C}$ , unless otherwise specified)									
PART NUMBER	MARKING CODE	ZENER VOLTAGE RANGE <sup>(1)</sup>	TEST CURRENT		REVERSE LAEKAGE CURRENT		DYNAMIC RESISTANCE <sup>(2)</sup>		TEMPERATURE COEFFICIENT
		$V_Z$ at $I_{ZT1}$	$I_{ZT1}$	$I_{ZT2}$	$I_R$ at $V_R$		$Z_Z$ at $I_{ZT1}$	$Z_{ZK}$ at $I_{ZT2}$	$\alpha_{VZ}$
		V	mA		$\mu\text{A}$	V	$\Omega$		%/ $^{\circ}\text{C}$
		NOM.			MAX.		MAX.	MAX.	TYP.
MMSZ5225	C5	3	20	0.25	50	1	30	1600	- 0.075
MMSZ5226	D1	3.3	20	0.25	25	1	28	1600	- 0.07
MMSZ5227	D2	3.6	20	0.25	15	1	24	1700	- 0.065
MMSZ5228	D3	3.9	20	0.25	10	1	23	1900	- 0.06
MMSZ5229	D4	4.3	20	0.25	5	1	22	2000	- 0.055
MMSZ5230	D5	4.7	20	0.25	5	2	19	1900	$\pm$ 0.030
MMSZ5231	E1	5.1	20	0.25	5	2	17	1600	$\pm$ 0.030
MMSZ5232	E2	5.6	20	0.25	5	3	11	1600	0.038
MMSZ5233	E3	6	20	0.25	5	3.5	7	1600	0.038
MMSZ5234	E4	6.2	20	0.25	5	4	7	1000	0.045
MMSZ5235	E5	6.8	20	0.25	3	5	5	750	0.05
MMSZ5236	F1	7.5	20	0.25	3	6	6	500	0.058
MMSZ5237	F2	8.2	20	0.25	3	6.5	8	500	0.062
MMSZ5238	F3	8.7	20	0.25	3	6.5	8	600	0.065
MMSZ5239	F4	9.1	20	0.25	3	7	10	600	0.068
MMSZ5240	F5	10	20	0.25	3	8	17	600	0.075
MMSZ5241	H1	11	20	0.25	2	8.4	22	600	0.076
MMSZ5242	H2	12	20	0.25	1	9.1	30	600	0.077
MMSZ5243	H3	13	9.5	0.25	0.5	9.9	13	600	0.079
MMSZ5244	H4	14	9	0.25	0.1	10	15	600	0.082
MMSZ5245	H5	15	8.5	0.25	0.1	11	16	600	0.082
MMSZ5246	J1	16	7.8	0.25	0.1	12	17	600	0.083
MMSZ5247	J2	17	7.4	0.25	0.1	13	19	600	0.084
MMSZ5248	J3	18	7	0.25	0.1	14	21	600	0.085
MMSZ5249	J4	19	6.6	0.25	0.1	14	23	600	0.086
MMSZ5250	J5	20	6.2	0.25	0.1	15	25	600	0.086
MMSZ5251	K1	22	5.6	0.25	0.1	17	29	600	0.087
MMSZ5252	K2	24	5.2	0.25	0.1	18	33	600	0.087
MMSZ5253	K3	25	5	0.25	0.1	19	35	600	0.089
MMSZ5254	K4	27	4.6	0.25	0.1	21	41	600	0.09
MMSZ5255	K5	28	4.5	0.25	0.1	21	44	600	0.091
MMSZ5256	M1	30	4.2	0.25	0.1	23	49	600	0.091
MMSZ5257	M2	33	3.8	0.25	0.1	25	58	700	0.092
MMSZ5258	M3	36	3.4	0.25	0.1	27	70	700	0.093
MMSZ5259	M4	39	3.2	0.25	0.1	30	80	800	0.094
MMSZ5260	M5	43	3	0.25	0.1	33	93	900	0.095
MMSZ5261	N1	47	2.7	0.25	0.1	36	105	1000	0.095
MMSZ5262	N2	51	2.5	0.25	0.1	39	125	1100	0.096
MMSZ5263	N3	56	2.2	0.25	0.1	43	150	1300	0.096
MMSZ5264	N4	60	2.1	0.25	0.1	46	170	1400	0.097
MMSZ5265	N5	62	2	0.25	0.1	47	185	1400	0.097
MMSZ5266	P1	68	1.8	0.25	0.1	52	230	1600	0.097
MMSZ5267	P2	75	1.7	0.25	0.1	56	270	1700	0.098

**Notes**

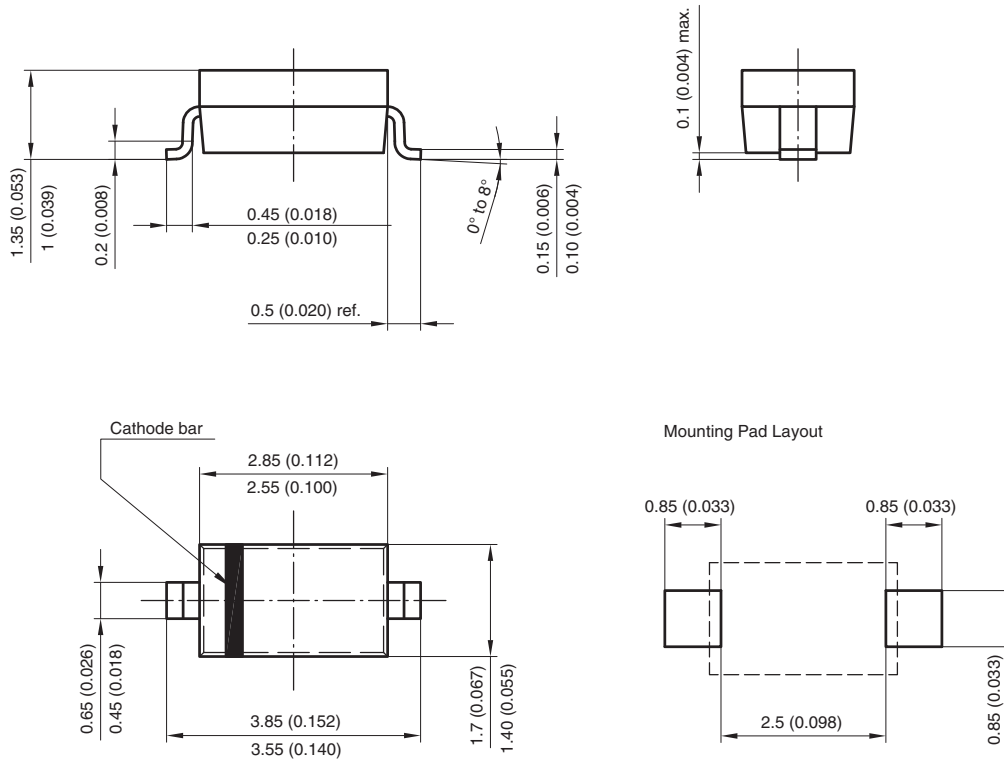
- Maximum  $V_F = 0.9\text{ V}$ , at  $I_F = 10\text{ mA}$

(1) Measured with device junction in thermal equilibrium

(2) The Zener Impedance is derived from the 1 kHz AC voltage which results when an AC current having an RMS value equal to 10 % of the Zener current ( $I_{ZT1}$  or  $I_{ZT2}$ ) is superimposed on  $I_{ZT1}$  or  $I_{ZT2}$ . Zener Impedance is measured at two points to insure a sharp knee on the breakdown curve and to eliminate unstable units



## PACKAGE DIMENSIONS in millimeters (inches): SOD-123



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