

**ELECTRICAL CHARACTERISTICS** ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)

PART NUMBER	MARKING CODE	ZENER VOLTAGE RANGE ⁽¹⁾	TEST CURRENT		REVERSE LEAKAGE CURRENT		DYNAMIC RESISTANCE ⁽²⁾		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}	α_{VZ}
		V	mA		μA	V	Ω		%/ $^{\circ}\text{C}$
		NOM.			MAX.		MAX.	MAX.	TYP.
MMBZ5225	18E	3	20	0.25	50	1	30	1600	-0.075
MMBZ5226	8A	3.3	20	0.25	25	1	28	1600	-0.07
MMBZ5227	8B	3.6	20	0.25	15	1	24	1700	-0.065
MMBZ5228	8C	3.9	20	0.25	10	1	23	1900	-0.06
MMBZ5229	8D	4.3	20	0.25	5	1	22	2000	-0.055
MMBZ5230	8E	4.7	20	0.25	5	2	19	1900	± 0.030
MMBZ5231	8F	5.1	20	0.25	5	2	17	1600	± 0.030
MMBZ5232	8G	5.6	20	0.25	5	3	11	1600	0.038
MMBZ5233	8H	6	20	0.25	5	3.5	7	1600	0.038
MMBZ5234	8J	6.2	20	0.25	5	4	7	1000	0.045
MMBZ5235	8K	6.8	20	0.25	3	5	5	750	0.05
MMBZ5236	8L	7.5	20	0.25	3	6	6	500	0.058
MMBZ5237	8M	8.2	20	0.25	3	6.5	8	500	0.062
MMBZ5238	8N	8.7	20	0.25	3	6.5	8	600	0.065
MMBZ5239	8P	9.1	20	0.25	3	7	10	600	0.068
MMBZ5240	8Q	10	20	0.25	3	8	17	600	0.075
MMBZ5241	8R	11	20	0.25	2	8.4	22	600	0.076
MMBZ5242	8S	12	20	0.25	1	9.1	30	600	0.077
MMBZ5243	8T	13	9.5	0.25	0.5	9.9	13	600	0.079
MMBZ5244	8U	14	9	0.25	0.1	10	15	600	0.082
MMBZ5245	8V	15	8.5	0.25	0.1	11	16	600	0.082
MMBZ5246	8W	16	7.8	0.25	0.1	12	17	600	0.083
MMBZ5247	8X	17	7.4	0.25	0.1	13	19	600	0.084
MMBZ5248	8Y	18	7	0.25	0.1	14	21	600	0.085
MMBZ5249	8Z	19	6.6	0.25	0.1	14	23	600	0.086
MMBZ5250	81A	20	6.2	0.25	0.1	15	25	600	0.086
MMBZ5251	81B	22	5.6	0.25	0.1	17	29	600	0.087
MMBZ5252	81C	24	5.2	0.25	0.1	18	33	600	0.087
MMBZ5253	81D	25	5	0.25	0.1	19	35	600	0.089
MMBZ5254	81E	27	4.6	0.25	0.1	21	41	600	0.09
MMBZ5255	81F	28	4.5	0.25	0.1	21	44	600	0.091
MMBZ5256	81G	30	4.2	0.25	0.1	23	49	600	0.091
MMBZ5257	81H	33	3.8	0.25	0.1	25	58	700	0.092
MMBZ5258	81J	36	3.4	0.25	0.1	27	70	700	0.093
MMBZ5259	81K	39	3.2	0.25	0.1	30	80	800	0.094
MMBZ5260	18F	43	3	0.25	0.1	33	93	900	0.095
MMBZ5261	81M	47	2.7	0.25	0.1	36	105	1000	0.095
MMBZ5262	81N	51	2.5	0.25	0.1	39	125	1100	0.096
MMBZ5263	81P	56	2.2	0.25	0.1	43	150	1300	0.096
MMBZ5264	81Q	60	2.1	0.25	0.1	46	170	1400	0.097
MMBZ5265	81R	62	2	0.25	0.1	47	185	1400	0.097
MMBZ5266	81S	68	1.8	0.25	0.1	52	230	1600	0.097
MMBZ5267	81T	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 at 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

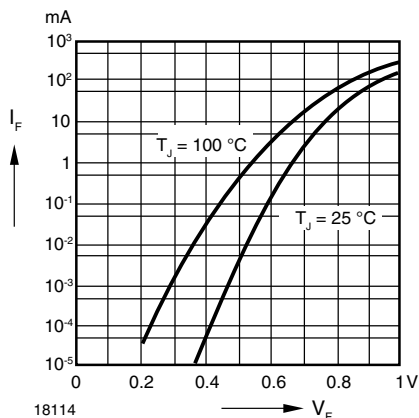
TYPICAL CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)


Fig. 1 - Forward Characteristics

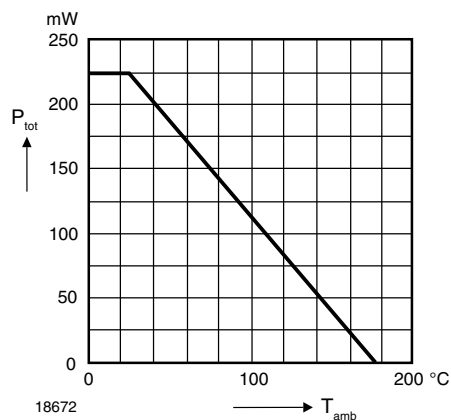
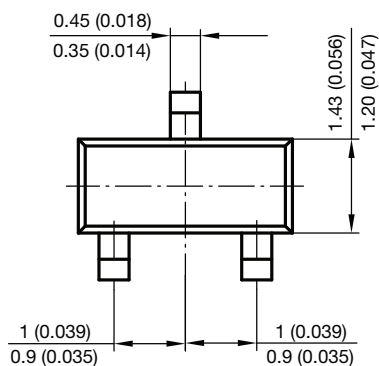
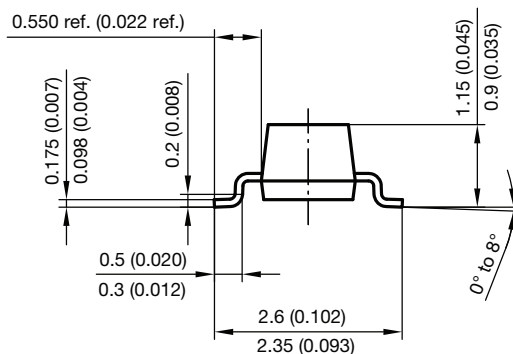
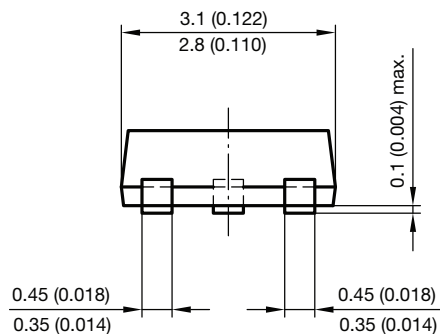
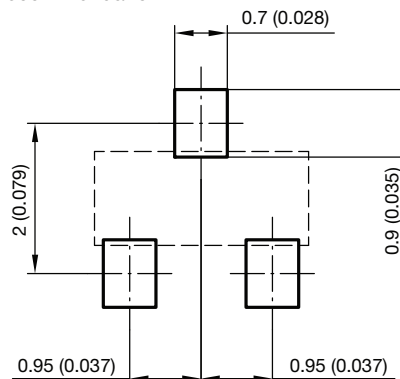


Fig. 2 - Admissible Power Dissipation vs. Ambient Temperature

PACKAGE DIMENSIONS in millimeters (inches): **SOT-23**


Foot print recommendation:





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