

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

PART NUMBER	MARKING CODE	ZENER VOLTAGE RANGE ⁽¹⁾			TEST CURRENT	REVERSE CURRENT	
		V_Z at I_{ZT1}			I_{ZT1}	I_R at V_R	
		V			mA	μA	V
		MIN.	NOM.	MAX.		MAX.	
MMSZ4681-V	CF	2.28	2.4	2.52	0.05	2	1
MMSZ4682-V	CH	2.57	2.7	2.84	0.05	1	1
MMSZ4683-V	CJ	2.85	3	3.15	0.05	0.8	1
MMSZ4684-V	CK	3.14	3.3	3.47	0.05	7.5	1.5
MMSZ4685-V	CM	3.42	3.6	3.78	0.05	7.5	2
MMSZ4686-V	CN	3.71	3.9	4.1	0.05	5	2
MMSZ4687-V	CP	4.09	4.3	4.52	0.05	4	2
MMSZ4688-V	CT	4.47	4.7	4.94	0.05	10	3
MMSZ4689-V	CU	4.85	5.1	5.36	0.05	10	3
MMSZ4690-V	CV	5.32	5.6	5.88	0.05	10	4
MMSZ4691-V	CA	5.89	6.2	6.51	0.05	10	5
MMSZ4692-V	CX	6.46	6.8	7.14	0.05	10	5.1
MMSZ4693-V	CY	7.13	7.5	7.88	0.05	10	5.7
MMSZ4694-V	CZ	7.79	8.2	8.61	0.05	1	6.2
MMSZ4695-V	DC	8.27	8.7	9.14	0.05	1	6.6
MMSZ4696-V	DD	8.65	9.1	9.56	0.05	1	6.9
MMSZ4697-V	DE	9.5	10	10.5	0.05	1	7.6
MMSZ4698-V	DF	10.5	11	11.6	0.05	0.05	8.4
MMSZ4699-V	DH	11.4	12	12.6	0.05	0.05	9.1
MMSZ4700-V	DJ	12.4	13	13.7	0.05	0.05	9.8
MMSZ4701-V	DK	13.3	14	14.7	0.05	0.05	10.6
MMSZ4702-V	DM	14.3	15	15.8	0.05	0.05	11.4
MMSZ4703-V	DN	15.2	16	16.8	0.05	0.05	12.1
MMSZ4704-V	DP	16.2	17	17.9	0.05	0.05	12.9
MMSZ4705-V	DT	17.1	18	18.9	0.05	0.05	13.6
MMSZ4706-V	DU	18.1	19	20	0.05	0.05	14.4
MMSZ4707-V	DV	19	20	21	0.05	0.01	15.2
MMSZ4708-V	DA	20.9	22	23.1	0.05	0.01	16.7
MMSZ4709-V	DZ	22.8	24	25.2	0.05	0.01	18.2
MMSZ4710-V	DY	23.8	25	26.3	0.05	0.01	19
MMSZ4711-V	EA	25.7	27	28.4	0.05	0.01	20.4
MMSZ4712-V	EC	26.6	28	29.4	0.05	0.01	21.2
MMSZ4713-V	ED	28.5	30	31.5	0.05	0.01	22.8
MMSZ4714-V	EE	31.4	33	34.7	0.05	0.01	25
MMSZ4715-V	EF	34.2	36	37.8	0.05	0.01	27.3
MMSZ4716-V	EH	37.1	39	41	0.05	0.01	29.6
MMSZ4717-V	EJ	40.9	43	45.2	0.05	0.01	32.6

Notes

- Maximum $V_F = 0.9\text{ V}$ at $I_F = 10\text{ mA}$
- (1) Measured with device junction in thermal equilibrium

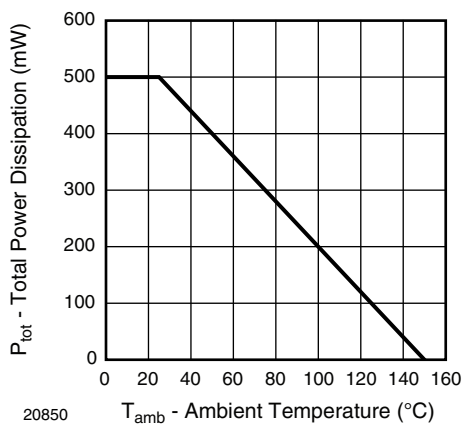
BASIC CHARACTERISTICS ($T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified)


Fig. 1 - Total Power Dissipation vs. Ambient Temperature

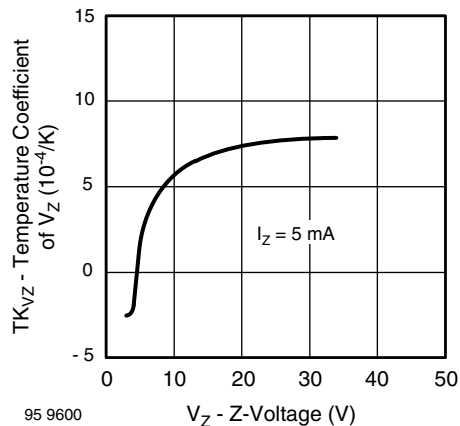
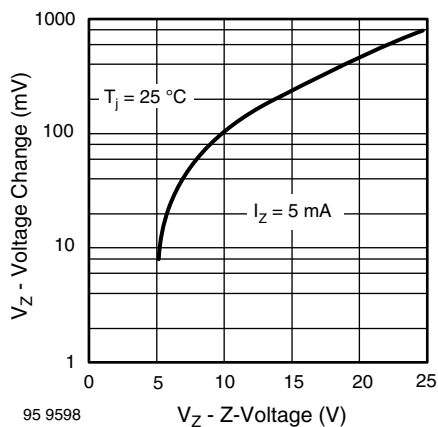
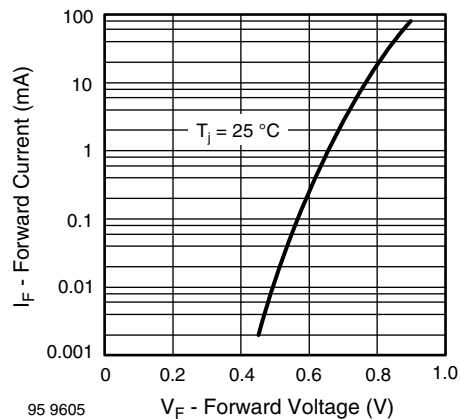

Fig. 4 - Temperature Coefficient of V_Z vs. Z-Voltage

Fig. 2 - Typical Change of Working Voltage under Operating Conditions at $T_{amb} = 25\text{ }^{\circ}\text{C}$


Fig. 5 - Forward Current vs. Forward Voltage

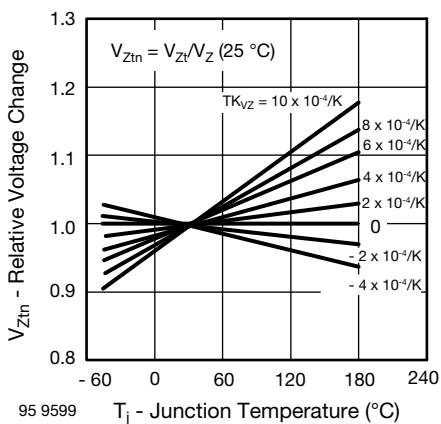


Fig. 3 - Typical Change of Working Voltage vs. Junction Temperature

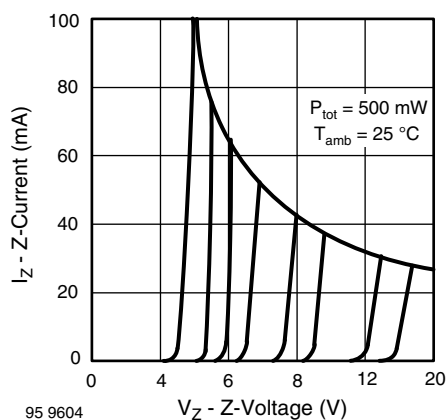


Fig. 6 - Z-Current vs. Z-Voltage

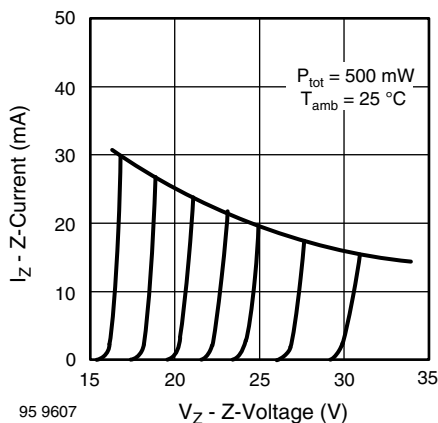


Fig. 7 - Z-Current vs. Z-Voltage

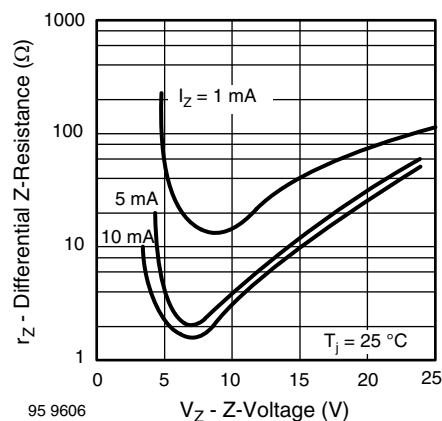
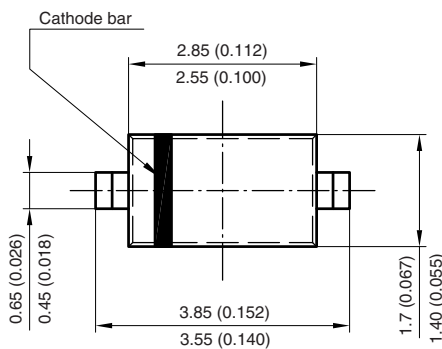
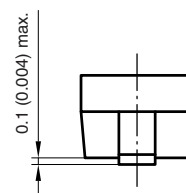
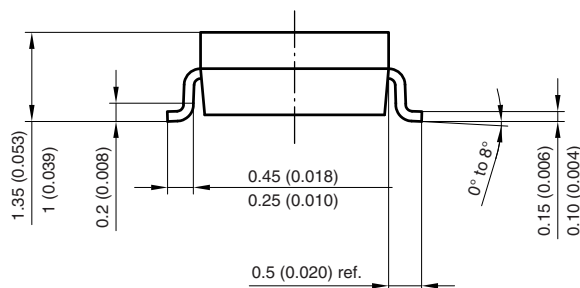
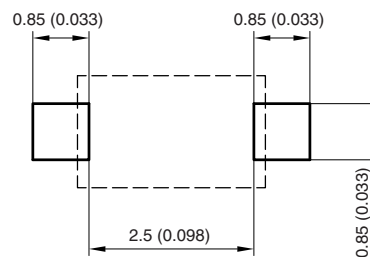


Fig. 8 - Differential Z-Resistance vs. Z-Voltage

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


Mounting Pad Layout



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