

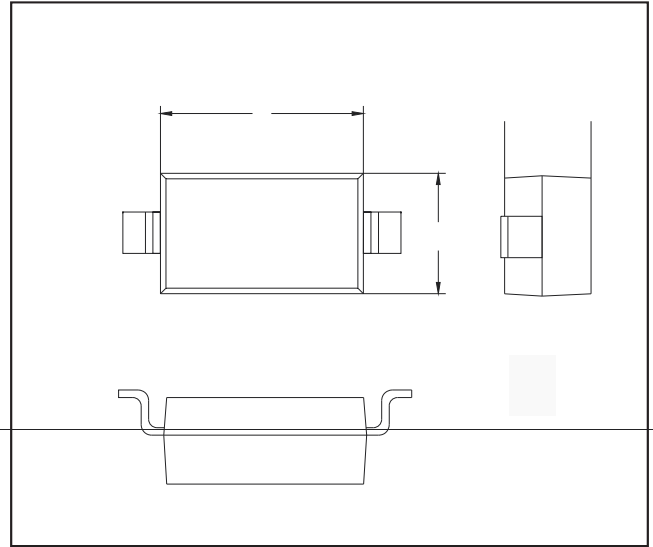
## SOD-123 SURFACE MOUNT ZENER DIODES

ZENER VOLTAGE RANGE: 1.8 --- 43V PEAK PULSE POWER:500mW

### Features

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### Mechanical Data



## MAXIMUM RATINGS AND CHARACTERISTICS

Parameters	Symbol	Value	Unit
Power Dissipation	Pd	500 <sup>1)</sup>	mW
Forward Voltage @IF=10mA	Vf	0.9 <sup>2)</sup>	V
Storage temperature range	Ts	-65-+150	

1) Device mounted on ceramic PCB: 7.6mm x 9.4mm x 0.87mm with pad areas 25mm<sup>2</sup>

2) Short duration test pulse used to minimize self-heating effect

3) f=1KHz

Device	Marking	Zener Voltage Range				Maximum Reverse Current	
		Vz@Izt			Izt	IR	VR
		Min(V)	Nom (V)	Max(V)	uA	uA	V
MMSZ4678	CC	1.71	1.8	1.89	50	7.5	1
MMSZ4679	CD	1.90	2.0	2.10	50	5	1
MMSZ4680	CE	2.09	2.2	2.31	50	4	1
MMSZ4681	CF	2.28	2.4	2.52	50	2	1
MMSZ4682	CH	2.57	2.7	2.84	50	1	1
MMSZ4683	CJ	2.85	3.0	3.15	50	0.8	1
MMSZ4684	CK	3.13	3.3	3.47	50	7.5	1.5
MMSZ4685	CM	3.42	3.6	3.78	50	7.5	2
MMSZ4686	CN	3.70	3.9	4.10	50	5	2
MMSZ4687	CP	4.09	4.3	4.52	50	4	2
MMSZ4688	CT	4.47	4.7	4.94	50	10	3
MMSZ4689	CU	4.85	5.1	5.36	50	10	3



RATINGS AND CHARACTERISTIC CURVES

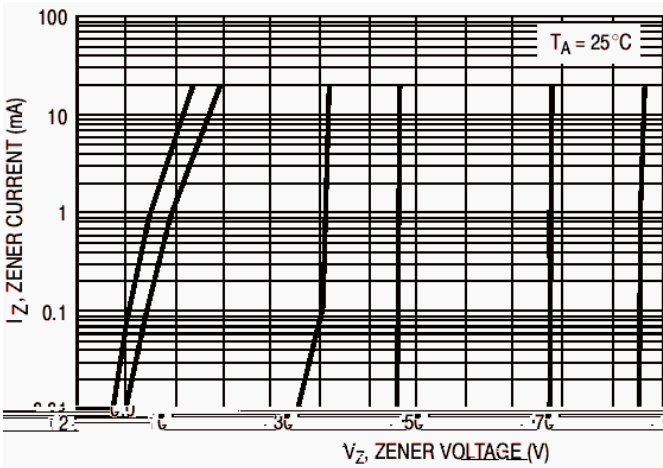
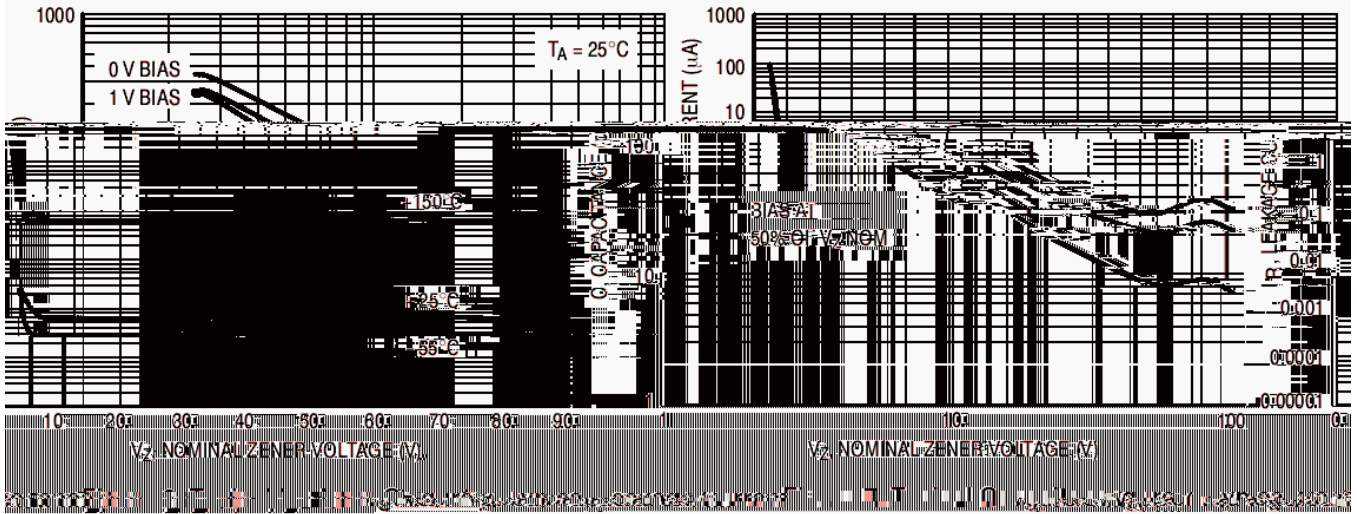


Figure 10. Zener Voltage versus Zener Current (12 V to 91 V)

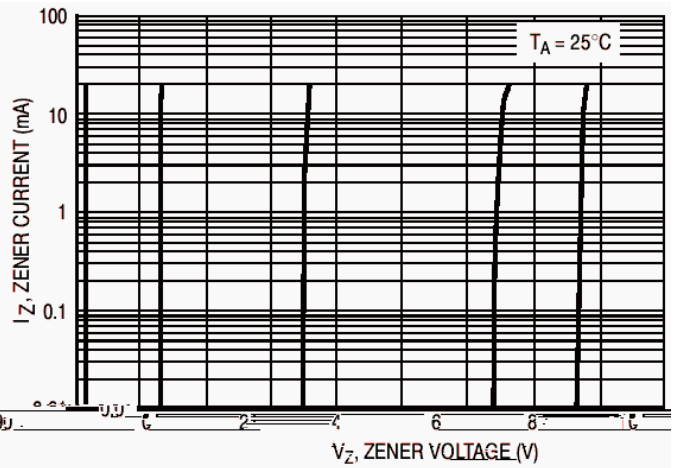


Figure 9. Zener Voltage versus Zener Current ( $V_Z$  Up to 12 V)

RATINGS AND CHARACTERISTIC CURVES

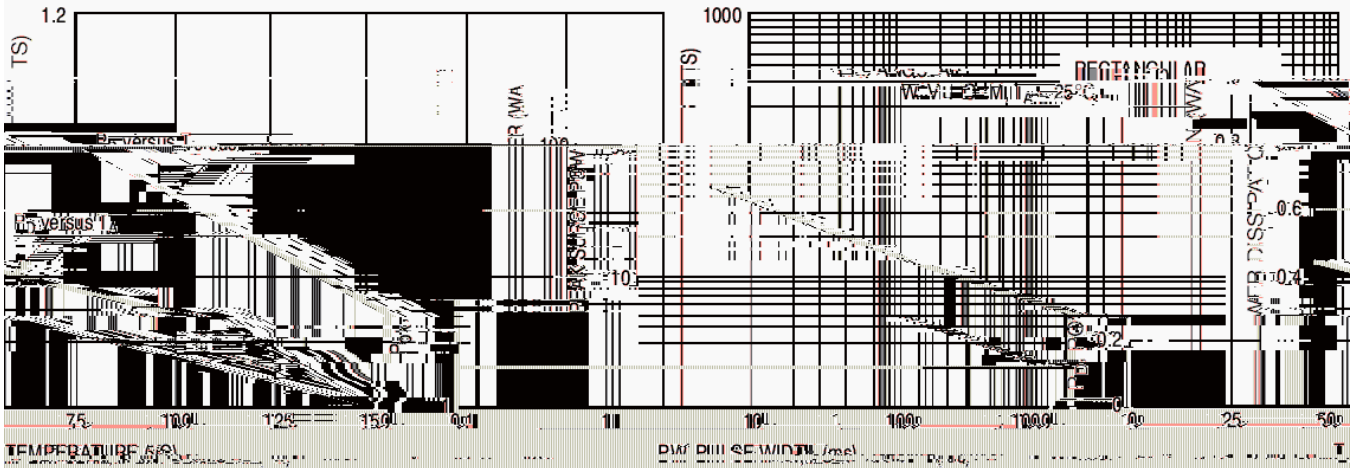
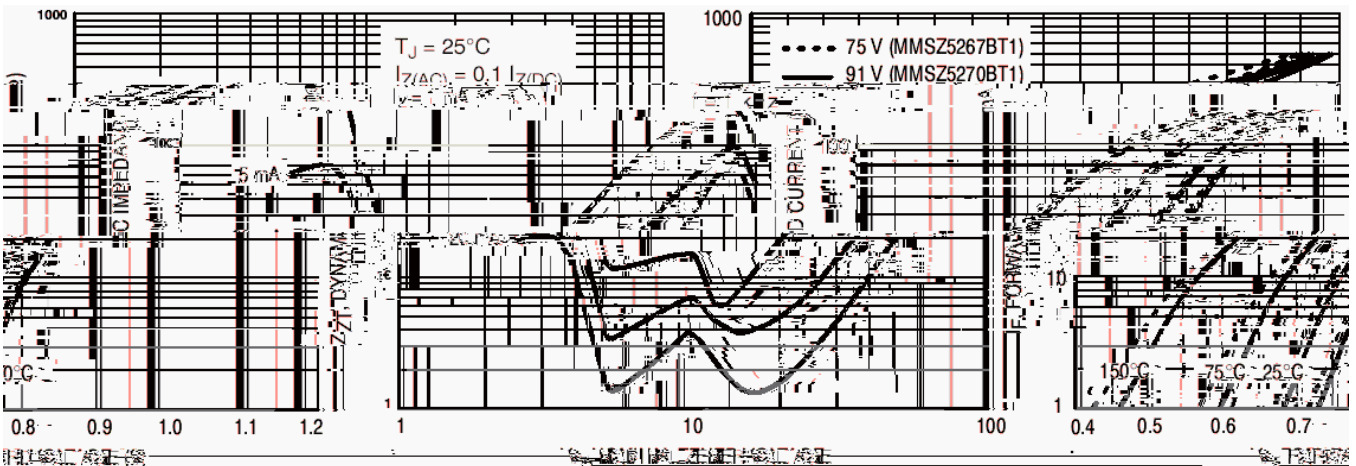


Figure 3. Steady State Power Derating

Figure 4. Maximum Nonrepetitive Surge Power

Fig



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Figure 5. Effect of Zener Voltage on Zener Impedance

Figure 6. Typical