

Excellent Integrated System Limited

Stocking Distributor

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Fairchild Semiconductor MMSZ4684

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>





SEMICONDUCTOR®

MMSZ4684

General Description

Leadless package.

Half watt, General purpose, Medium Current Surface

Mount Zener in the SOD-123 package. The SOD-123

package has the same footprint as the glass mini-melf (LL-

34) package & provides a convenient alternative to the

Features

· Compact surface mount with same footprint as mini-melf

MMSZ4684

- 500mW rating on FR-4 or FR-5 board.
- Class 3 ESD rating (>16kV) per Human Body Model

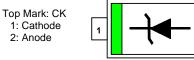
Ordering

• 7 inch reel (178mm); 8mm Tape; 3,000 units per reel.

Absolute Maximum Ratings (note 1) TA=25°C unless otherwise noted

Symbol	Parameter	Value	Units
T _{STG}	Storage Temperature	-55 ~ 150	°C
Тј	Maximum Junction Temperature	-55 ~ 150	°C
P _D	Total Power Dissipation at 25°C Derate above 25°C	500 6.7	mW mW/°C
R _{QJA}	Thermal Resistance Junction to Ambient	340	°C/W
R _{QJA} R _{QJL}	Thermal Resistance Junction to Lead	150	°C/W
ΔV_Z	Maximum Voltage Change (note 2)	950	mV
Lead Solder Temperature (Max 10 second duration)		260	°C
Nominal Zener Voltage (V _Z) at 50µA		3.3	V

Note 1: These ratings are limiting values above which the serviceability of any semiconductor device may be impaired. Note 2: Voltage change is equal to the difference between V_Z at 100µA and V_Z at 10µA.

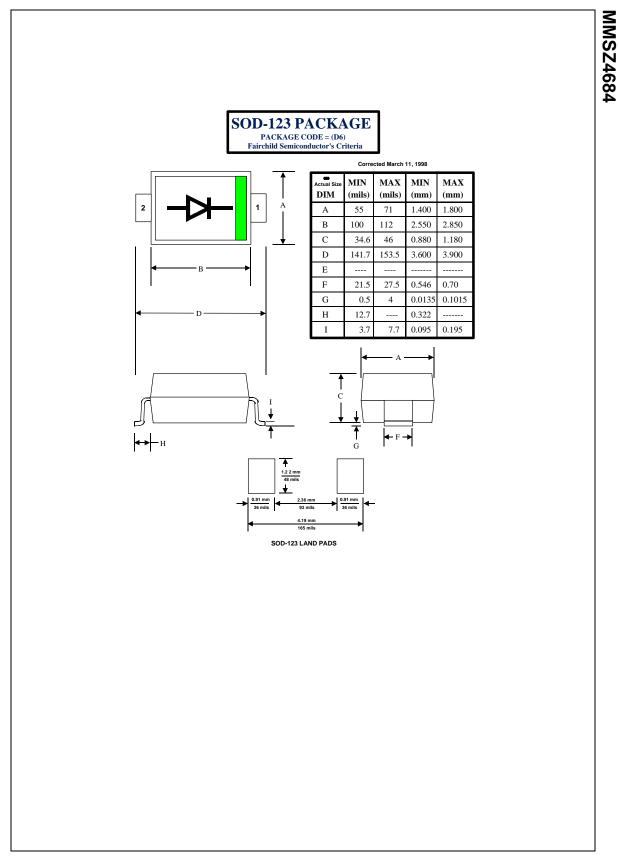


Electrical Characteristics TA=25°C unless otherwise noted

Symbol	Characteristics	Test Conditions	Min.	Max.	Units
VZ	Zener Voltage	$I_{ZT} = 50\mu A_{D.C}$	3.14	3.47	V
I _R	Reverse Leakage	V _R = 1.5V		7.5	μA
V _F	Forward Voltage	I _F = 10mA		900	mV
ΔV_Z	Delta Zener Voltage (Note 2)	I _{ZT} = 100μA to 10μA		950	mV



Distributor of Fairchild Semiconductor: Excellent Integrated System Limited Datasheet of MMSZ4684 - DIODE ZENER 3.3V 500MW SOD123 Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



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MMSZ4692, Rev. A



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