

Z V a R a

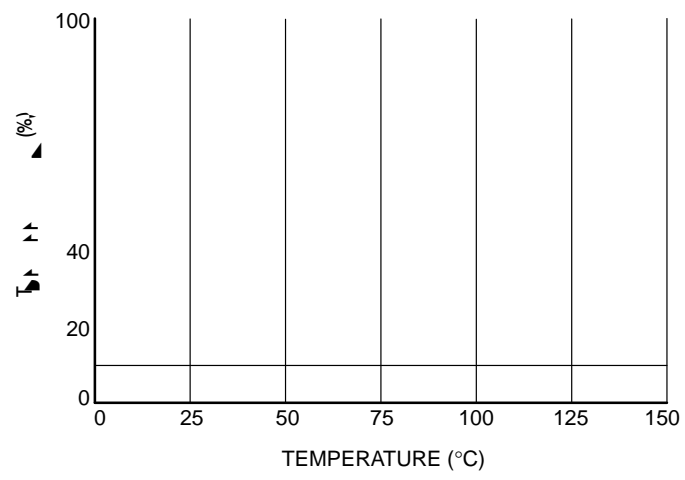
MM5Z ST1G S , **SZMM5Z ST1G S**

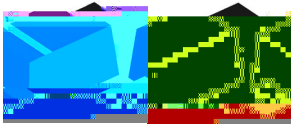
This series of Zener diodes is packaged in a SOD 523 surface mount package. They are designed to provide voltage regulation protection and are especially attractive in situations where space is at a premium. They are well suited for applications such as cellular phones, hand held portables, and high density PC boards.

- Standard Zener Breakdown Voltage Range 2.4 V to 18 V
- Tight Tolerance Series
- Steady State Power Rating of 500 mW
- Small Body Outline Dimensions:
 - 0.047" x 0.032" (1.20 mm x 0.80 mm)
 - Low Body Height: 0.028" (0.7 mm)
- ESD Rating of Class 3 (> 16 kV) per Human Body Model
- SZ Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC

($T_A = 25^\circ\text{C}$ unless otherwise noted,
 $V_F = 0.9\text{ V Max. @ } I_F = 10\text{ mA}$ for all types)

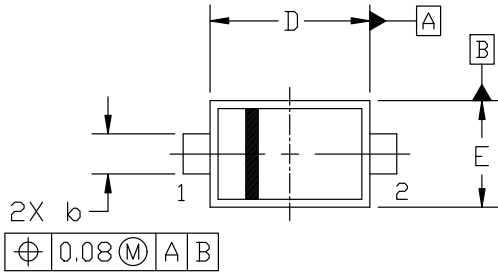
V_Z	Reverse Zener Voltage @ I_{ZT}
I_{ZT}	Reverse Current
Z_{ZT}	Maximum Zener Impedance @ I_{ZT}
I_{ZK}	Reverse Current
Z_{ZK}	Maximum Zener Impedance @ I_{ZK}
I_R	Reverse Leakage Current @ V_R
V_R	Reverse Voltage
I_F	Forward Current
V_F	Forward Voltage @ I_F
Θ_{VZ}	Maximum Temperature Coefficient of V_Z
C	Max. Capacitance @ $V_R = 0$ and $f = 1\text{ MHz}$





CASE 502
ISSUE F

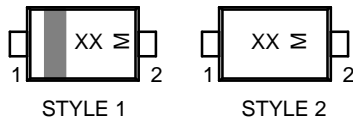
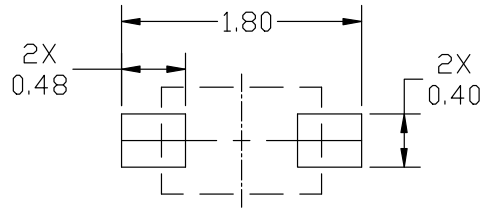
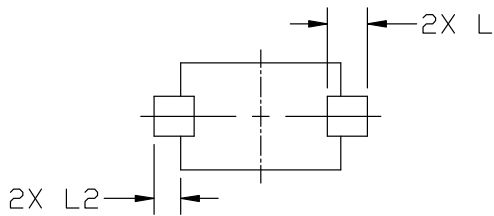
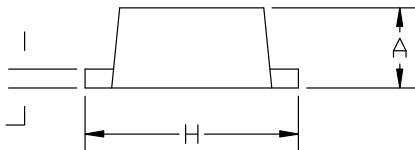
DATE 08 FEB 2024



2. CONTROLLING DIMENSION: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH, MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.

MILLIMETERS		
DIM	MIN.	NOM.
0.50	0.45	0.50

AND TOLERANCING PER ASME Y14.5M, 2



XX = Specific Device Code
M Date Code

*For additional information

ing and Mounting Techniques
Reference manual, SOLDERRM/D.

*This information is generic. Please refer to device data sheet for actual part marking. Pb-Free indicator, "G" or microdot "▪", may or may not be present. Some products may not follow the Generic Marking.

STYLE 1: STYLE 2:
PIN 1. CATHODE (POLARITY BAND) NO POLARITY
2. ANODE



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