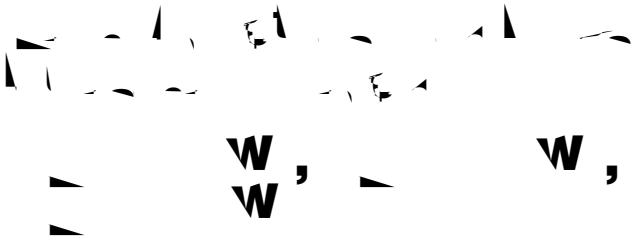


Features

- Fast Switching Diode (T_{RR} < 4.0 ns)
- Flat Lead, Surface Mount Device Under 0.70 mm Height
- Extremely Small Outline Plastic Package SOD523F
- Moisture Level Sensitivity 1
- Pb−Free Version and RoHS Compliant
- Matte Tin (Sn) Lead Finish
- Green Mold Compound

Table 1. ABSOLUTE MAXIMUM RATINGS

T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
V_{RSM}	Non		

TYPICAL PERFORMANCE CHARACTERISTICS

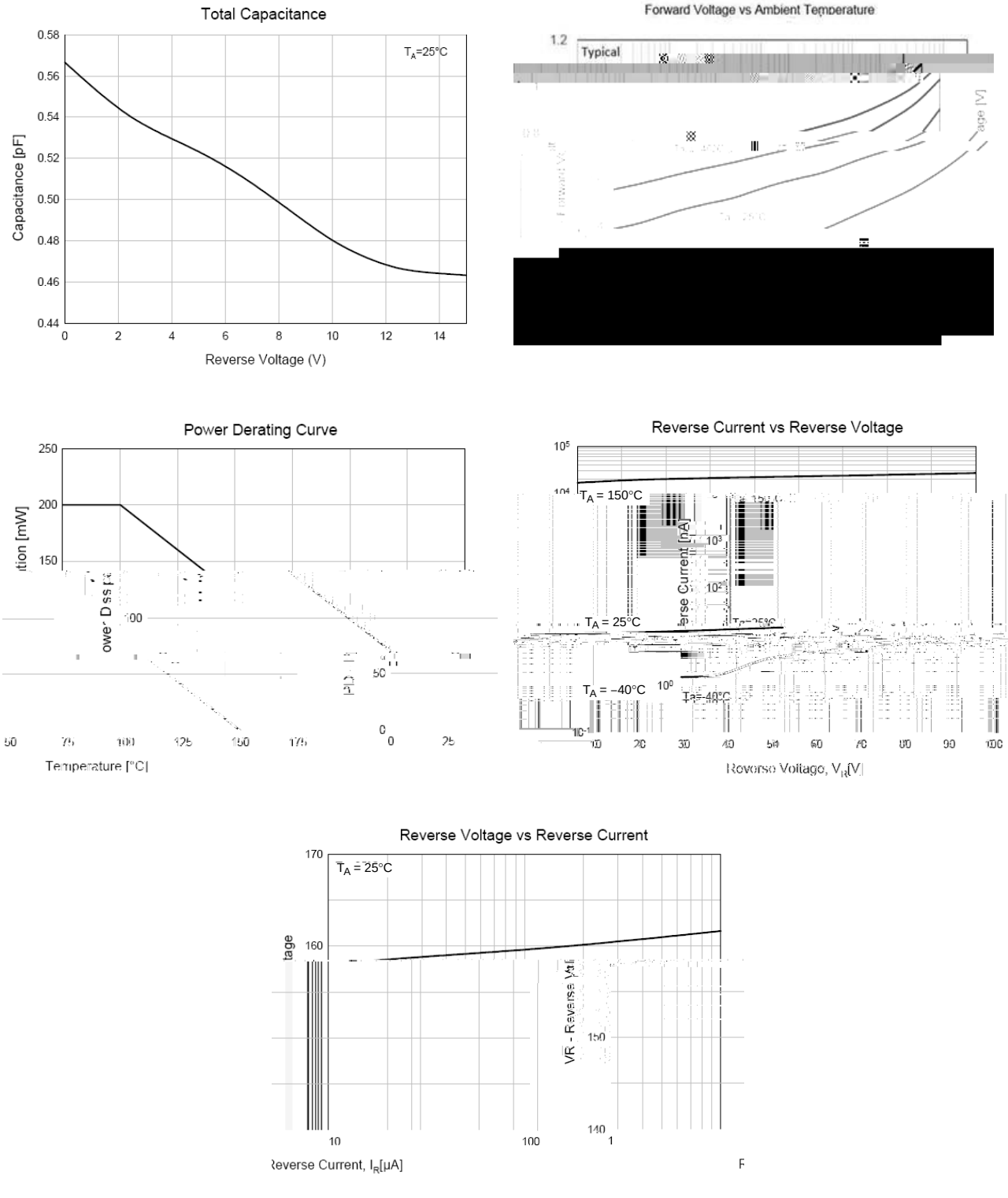
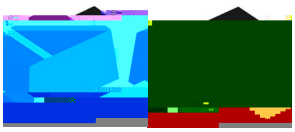
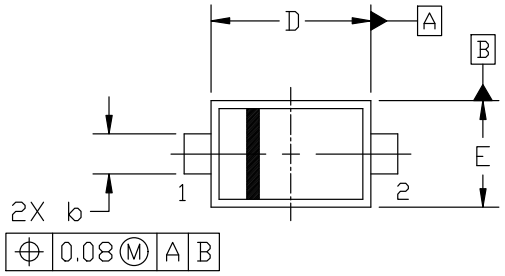


Figure 1. Typical Performance Characteristics

CASE 502
ISSUE F

DATE 08 FEB 2024

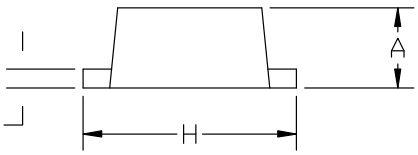


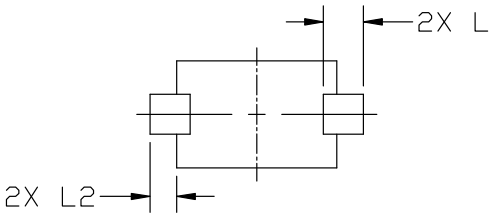


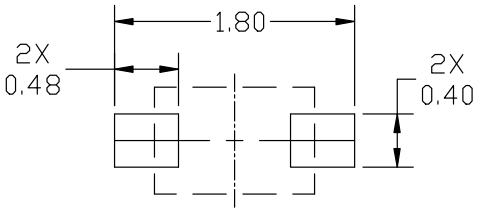
2. CONTROLLING DIMENSION: MILLIMETERS.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH, MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.
4. DIMENSIONS D AND E DO NOT INCLUDE MOLD FLASH, PROTRUSIONS, OR GATE BURRS.

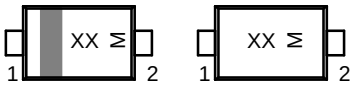
	MILLIMETERS	
DIM	MIN.	NOM.

0.5VSIONING60AND TOLERANCING PER ASME Y14.5M, 2









STYLE 1 STYLE 2

XX = Specific Device Code
M Date Code

*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:
PIN 1. CATHODE (POLARITY BAND)
2. ANODE

STYLE 2:
NO POLARITY

*For additional informor

ing and Mounting Techniques
Reference manual, SOLDERRM/D.

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