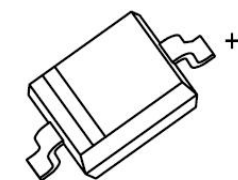


| | |
|--|---|
| SWITCHING DIODE | SOD-323 Plastic-Encapsulate Diodes |
| <p><u>SOD-323</u></p>  <p>Marking :A6</p> | <p>Features</p> <ul style="list-style-type: none"> • Very Small Plastic Package • High Switching Speed <p>Application</p> <ul style="list-style-type: none"> • High-Speed Switching in e.g. Surface Mounted Circuits |

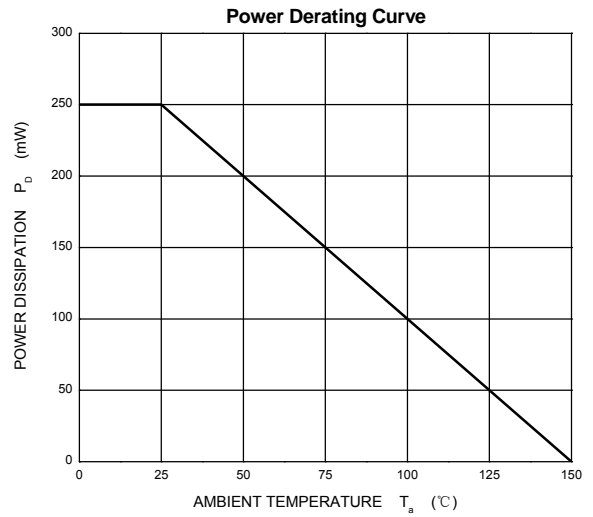
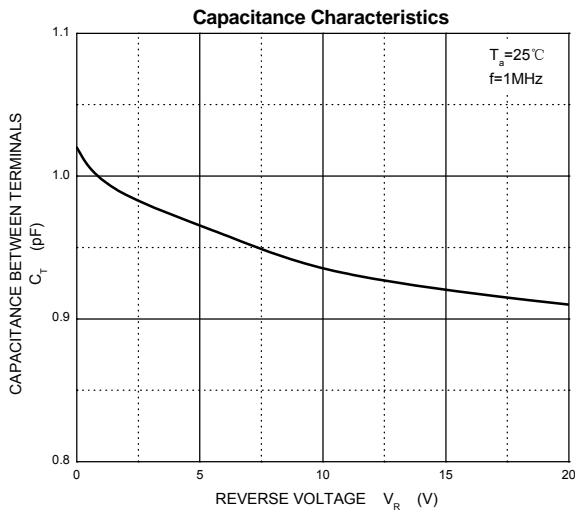
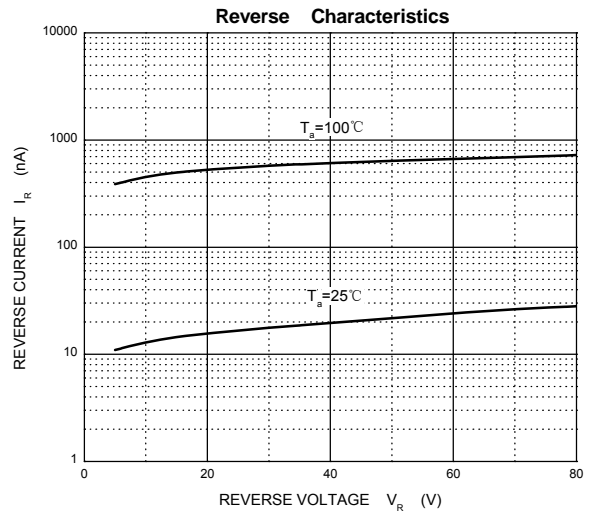
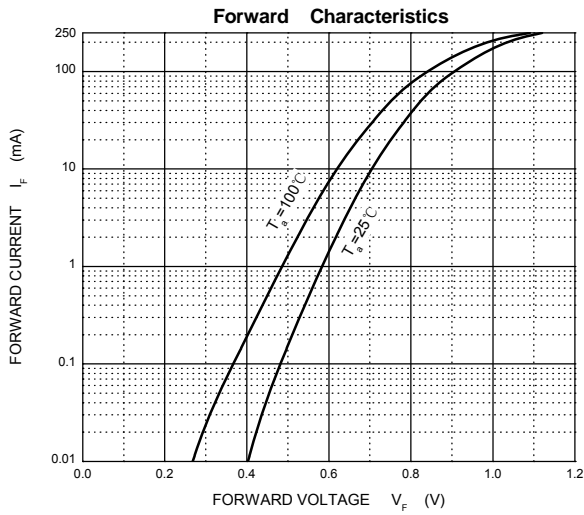
MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

| Symbol | Parameter | Value | Unit |
|-----------------------------------|--|----------|------|
| V _{RRM} | Peak Repetitive Reverse Voltage | 85 | V |
| V _R | DC Blocking Voltage | 75 | |
| I _O | Continuous Forward Current | 250 | mA |
| I _{FSM} | Non-repetitive Peak Forward Surge Current @ t = 8.3 ms | 2.0 | A |
| P _D | Power Dissipation | 250 | mW |
| R _{θJA} | Thermal Resistance from Junction to Ambient | 500 | °C/W |
| T _J , T _{stg} | Operation Junction and Storage Temperature Range | -55~+150 | °C |

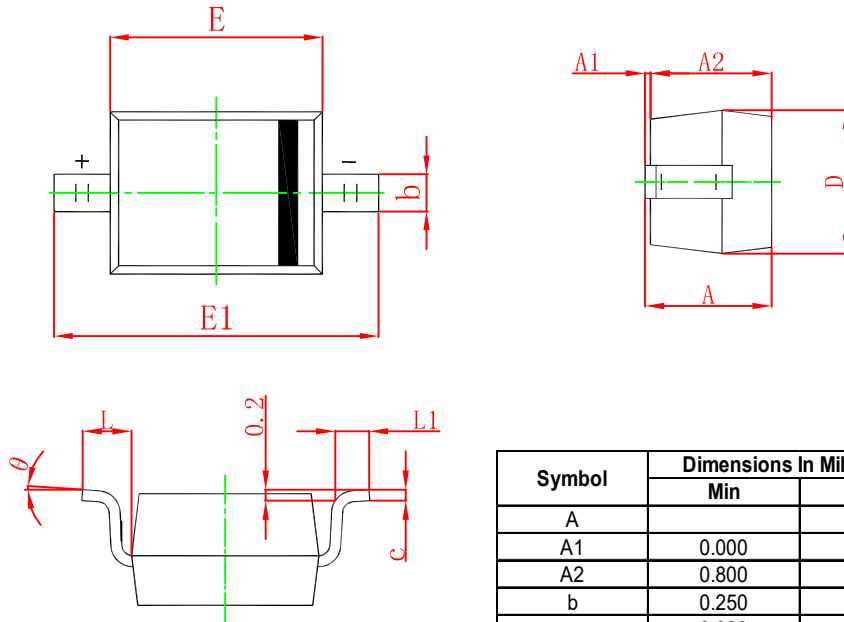
ELECTRICAL CHARACTERISTICS(T_a=25°C unless otherwise specified)

| Parameter | Symbol | Test conditions | Min | Typ | Max | Unit |
|-----------------------|-------------------|--|-----|-----|-------|------|
| Reverse voltage | V _(BR) | I _R =100μA | 100 | | | V |
| Reverse current | I _R | V _R =25V | | | 30 | nA |
| | | V _R =75V | | | 1 | μA |
| Forward voltage | V _F | I _F =1mA | | | 0.715 | V |
| | | I _F =10mA | | | 0.855 | |
| | | I _F =50mA | | | 1 | |
| | | I _F =150mA | | | 1.25 | |
| Total capacitance | C _{tot} | V _R =0V, f=1MHz | | | 1.5 | pF |
| Reverse recovery time | t _{rr} | I _F = I _R =10mA, I _{rr} =0.1×I _R | | | 4 | ns |

Typical Characteristics

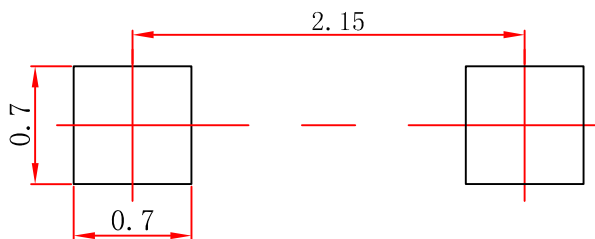


SOD-323 Package Outline Dimensions



| Symbol | Dimensions In Millimeters | | Dimensions In Inches | |
|--------|---------------------------|-------|----------------------|-------|
| | Min | Max | Min | Max |
| A | | 1.100 | | 0.043 |
| A1 | 0.000 | 0.100 | 0.000 | 0.004 |
| A2 | 0.800 | 1.000 | 0.031 | 0.039 |
| b | 0.250 | 0.350 | 0.010 | 0.014 |
| c | 0.080 | 0.150 | 0.003 | 0.006 |
| D | 1.200 | 1.400 | 0.047 | 0.055 |
| E | 1.600 | 1.800 | 0.063 | 0.071 |
| E1 | 2.500 | 2.750 | 0.098 | 0.108 |
| L | 0.475 REF | | 0.019 REF | |
| L1 | 0.250 | 0.400 | 0.010 | 0.016 |
| θ | 0° | 8° | 0° | 8° |

SOD-323 Suggested Pad Layout



- Note:**
1. Controlling dimension: in millimeters.
 2. General tolerance: $\pm 0.05\text{mm}$.
 3. The pad layout is for reference purposes only.

单击下面可查看定价，库存，交付和生命周期等信息

[>>DIOS\(迪恩思\)](#)