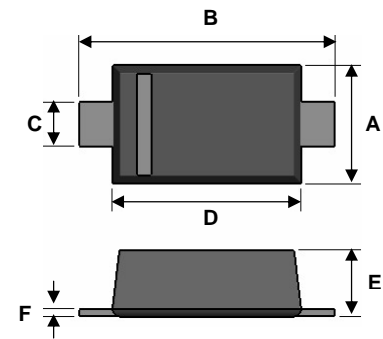


FEATURES

- Surface Mounted Device
- Fast Switching Speed
- Moisture sensitivity level (MSL): 1
- Pb free and RoHS compliant

| Dimensions | Unit (mm) | | Unit (inch) | |
|------------|-----------|------|-------------|-------|
| | Min | Max | Min | Max |
| A | 1.15 | 1.35 | 0.045 | 0.053 |
| B | 2.30 | 2.70 | 0.091 | 0.106 |
| C | 0.25 | 0.40 | 0.010 | 0.016 |
| D | 1.60 | 1.80 | 0.063 | 0.071 |
| E | 0.80 | 1.00 | 0.031 | 0.039 |
| F | 0.05 | 0.20 | 0.002 | 0.008 |


SOD-323
MECHANICAL DATA

- Case: Bend lead SOD-323 package
- High temperature soldering guaranteed: 260°C/10s
- Marking: T4

Maximum Ratings and Electrical Characteristics

| MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T _A =25°C unless otherwise noted) | | | |
|--|------------------|--------------|------|
| PARAMETER | SYMBOL | VALUE | UNIT |
| Peak reverse voltage | V _{RM} | 100 | V |
| DC blocking voltage | V _R | 75 | V |
| Non-repetitive peak forward current | I _{FM} | 300 | mA |
| Average rectified output current | I _O | 150 | mA |
| Peak forward surge current @t=1μs | I _{FSM} | 2.0 | A |
| Power dissipation | P _D | 200 | mW |
| Junction temperature | T _J | 150 | °C |
| Storage temperature | T _{STG} | - 55 to +150 | °C |

| PARAMETER | SYMBOL | TEST CONDITION | MIN | TYP | MAX | UNIT |
|-------------------------------|-----------------|---|-----|-----|-------|------|
| Forward voltage | V _{F1} | I _F = 1mA | | | 0.715 | V |
| | V _{F2} | I _F = 10mA | | | 0.885 | V |
| | V _{F3} | I _F = 50mA | | | 1 | V |
| | V _{F4} | I _F = 150mA | | | 1.25 | V |
| Reverse leakage current | I _{R1} | V _R =75V | | | 1 | μA |
| | I _{R2} | V _R =20V | | | 25 | nA |
| Capacitance between terminals | C _T | V _R =0V, f=1MHz | | | 2 | pF |
| Reverse recovery time | t _{rr} | I _F =I _R =10mA, I _{rr} =0.1 · I _R , R _L =100Ω | | | 4.0 | ns |

RATINGS AND CHARACTERISTICS CURVES

($T_A=25^\circ\text{C}$ unless otherwise noted)

Fig. 1 Typical Reverse Characteristics

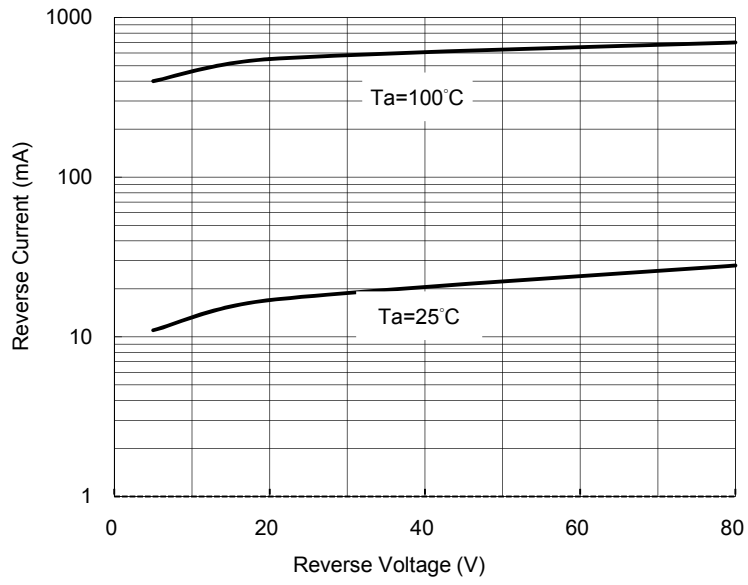


Fig.2 Typical Forward Characteristics

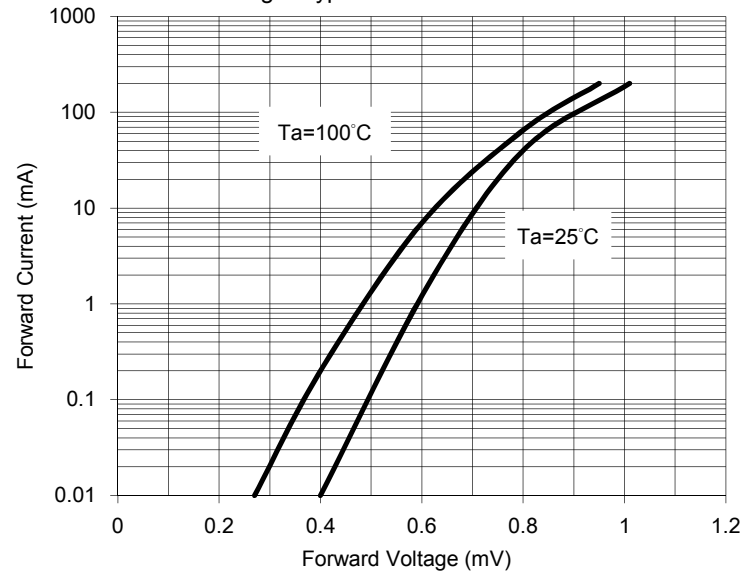


Fig. 3 Power Derating Curve

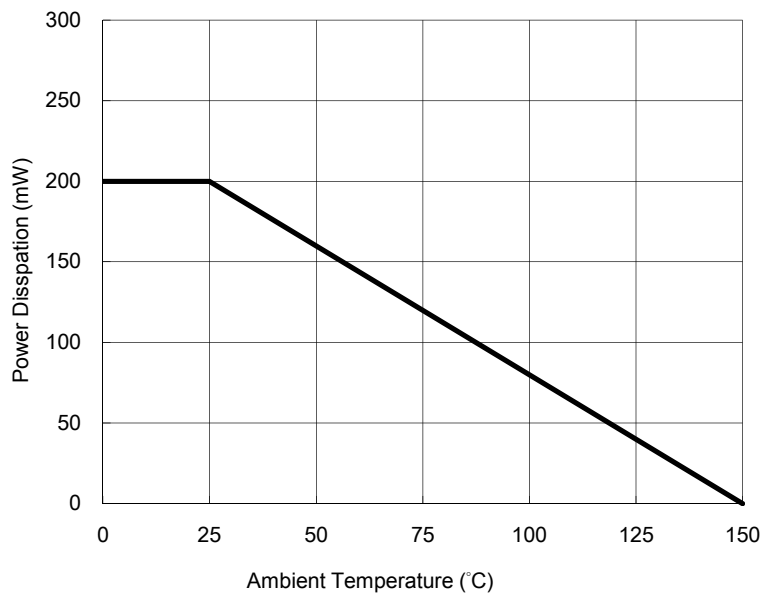
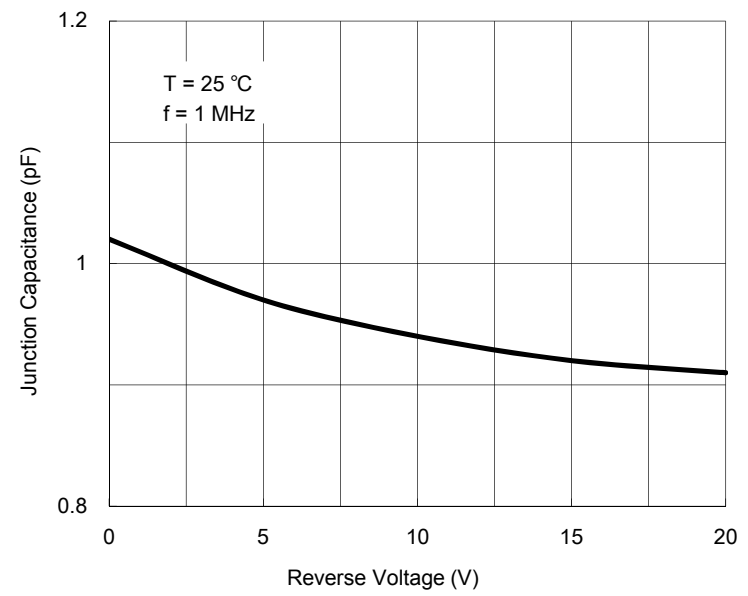


Fig. 4 Typical Capacitance Characteristics



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Diodes - General Purpose, Power, Switching category](#):

Click to view products by [DIYI manufacturer](#):

Other Similar products are found below :

[MCL4151-TR3](#) [MMBD3004S-13-F](#) [RD0306T-H](#) [RD0506LS-SB-1H](#) [RGP30G-E373](#) [DSE010-TR-E](#) [BAQ333-TR](#) [BAQ335-TR](#) [BAQ33-GS18](#) [BAS1602VH6327XT](#) [BAV17-TR](#) [BAV19-TR](#) [BAV301-TR](#) [BAW27-TAP](#) [HSC285TRF-E](#) [NSVBAV23CLT1G](#) [NTE525](#) [1SS181-TP](#) [1SS184-TP](#) [1SS193,LF](#) [1SS193-TP](#) [1SS400CST2RA](#) [SBAV99LT3G](#) [SDAA13](#) [LL4448-GS18](#) [SHN2D02FUTW1T1G](#) [LS4150GS18](#) [LS4151GS08](#) [SMMD7000LT3G](#) [FC903-TR-E](#) [1N4449](#) [1N4934-E3/73](#) [1SS226-TP](#) [APT100DL60HJ](#) [RFUH20TB3S](#) [RGP30G-E354](#) [RGP30M-E3/73](#) [D291S45T](#) [MCL4151-TR](#) [BAS 16-02V H6327](#) [BAS 21U E6327](#) [BAS 28 E6327](#) [BAS33-TAP](#) [BAS 70-02V H6327](#) [BAV300-TR](#) [BAV303-TR3](#) [BAW27-TR](#) [BAW56DWQ-7-F](#) [BAW56M3T5G](#) [BAW75-TAP](#)