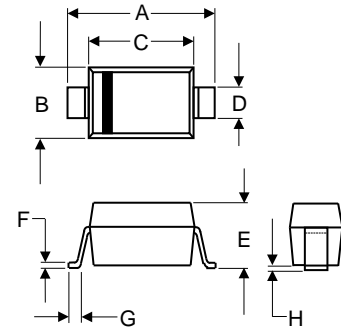


Features

- * Small plastic package suitable for surface mounted design
- * High reliability with high surge current handling capability
- * Marking Code: "W2"
- * High speed switching



RoHS
COMPLIANT



| SOD-323 | | | | |
|---------|--------|-------|------|------|
| DIM | INCHES | | MM | |
| | MIN | MAX | MIN | MAX |
| A | 0.091 | 0.110 | 2.30 | 2.80 |
| B | 0.045 | 0.053 | 1.15 | 1.35 |
| C | 0.063 | 0.071 | 1.60 | 1.80 |
| D | 0.010 | 0.016 | 0.25 | 0.40 |
| E | 0.031 | 0.043 | 0.80 | 1.10 |
| F | --- | 0.006 | --- | 0.15 |
| G | 0.004 | 0.020 | 0.10 | 0.50 |
| H | --- | 0.004 | --- | 0.10 |

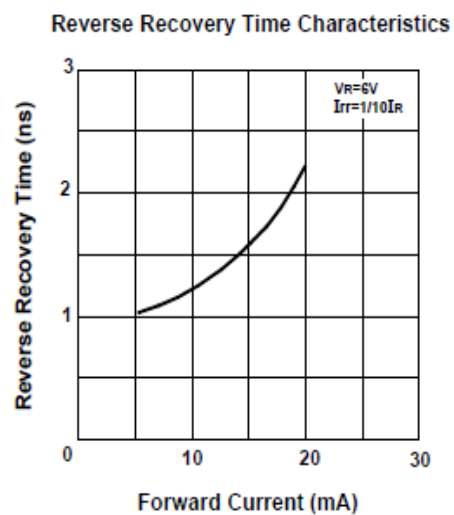
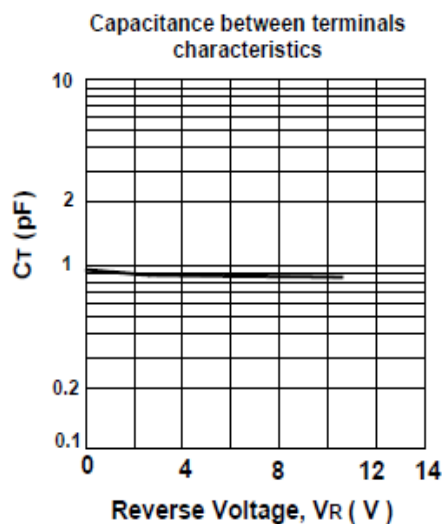
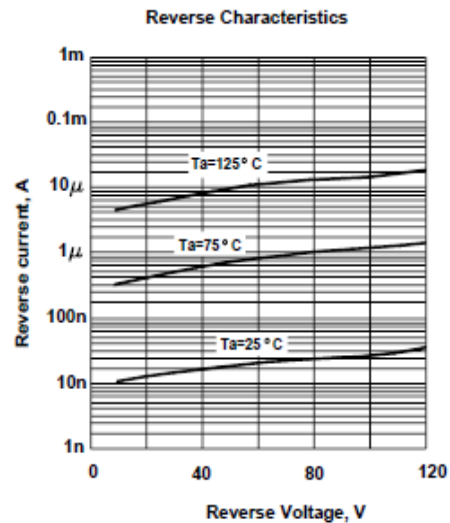
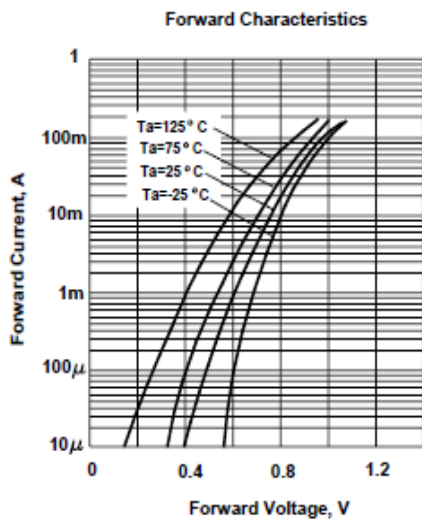
Maximum Ratings (T_A=25°C unless otherwise noted)

| Parameter | Symbol | Value | Unit |
|-----------------------------------|--------------------|---------------|------|
| Peak Reverse Voltage | V _{RM} | 90 | V |
| Reverse Voltage | V _R | 80 | V |
| Average Rectified Forward Current | I _{F(AV)} | 100 | mA |
| Peak Forward Current | I _{FM} | 225 | mA |
| Surge Forward Current (1 s) | I _{FSM} | 500 | mA |
| Junction Temperature | T _j | 150 | °C |
| Storage Temperature Range | T _{stg} | - 55 to + 150 | °C |

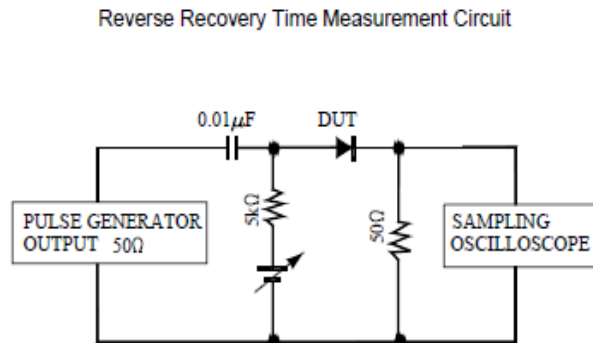
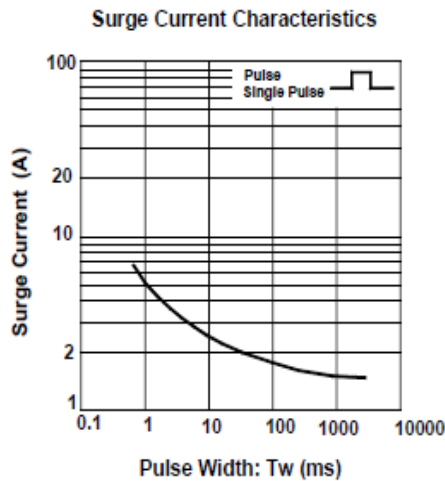
Electrical Characteristics ($T_A=25^\circ\text{C}$ unless otherwise noted)

| Parameter | Symbol | Max. | Unit |
|---|----------|------|---------------|
| Forward Voltage at $I_F = 100\text{ mA}$ | V_F | 1.2 | V |
| Reverse Current at $V_R = 80\text{ V}$ | I_R | 0.1 | μA |
| Capacitance between Terminals at $V_R = 0.5\text{ V}$, $f = 1\text{ MHz}$ | C_T | 3 | pF |
| Reverse Recovery Time at $V_R = 6\text{ V}$, $I_F = 10\text{ mA}$, $R_L = 100\ \Omega$ | t_{rr} | 4 | ns |

Ratings and Characteristic Curves



Ratings and Characteristic Curves



Ordering Information

| Part No. | Package | Packing Code | Packing |
|----------|---------|--------------|--------------|
| 1SS355 | SOD-323 | R30 | 3000pcs/Reel |

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