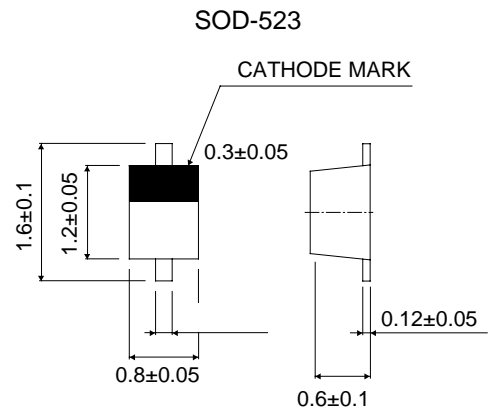


RoHS Compliant Product

A suffix of "-C" specifies halogen & lead-free

## Features

- Small Package



## Marking: G

Dimensions in millimeters

## Maximum Ratings and Electrical Characteristics, Single Diode @ $T_A=25^\circ\text{C}$

| Parameter               | Symbol      | Limits  | Unit             |
|-------------------------|-------------|---------|------------------|
| Peak reverse voltage    | $V_{RM}$    | 85      | V                |
| DC reverse voltage      | $V_R$       | 80      | V                |
| Peak forward current    | $I_{FM}$    | 200     | mA               |
| Mean rectifying current | $I_O$       | 100     | mA               |
| Surge current (10ms)    | $I_{surge}$ | 1000    | mA               |
| Junction temperature    | $T_j$       | 125     | $^\circ\text{C}$ |
| Storage temperature     | $T_{stg}$   | -55-125 | $^\circ\text{C}$ |

## Electrical Ratings @ $T_A=25^\circ\text{C}$

| Parameter                     | Symbol   | Min. | Typ. | Max. | Unit          | Conditions  |
|-------------------------------|----------|------|------|------|---------------|---|
| Forward voltage               | $V_{F1}$ |      | 0.62 |      | V             | $I_F=1\text{mA}$                                  |
|                               | $V_{F2}$ |      | 0.75 |      | V             | $I_F=10\text{mA}$                                 |
|                               | $V_{F3}$ |      |      | 1.2  | V             | $I_F=100\text{mA}$                                |
| Reverse current               | $I_{R1}$ |      |      | 0.1  | $\mu\text{A}$ | $V_R=30\text{V}$                                  |
|                               | $I_{R2}$ |      |      | 0.5  | $\mu\text{A}$ | $V_R=80\text{V}$                                  |
| Capacitance between terminals | $C_T$    |      |      | 3.0  | pF            | $V_R=0, f=1\text{MHZ}$                            |
| Reverse recovery time         | $t_{rr}$ |      |      | 4    | ns            | $V_R=6\text{V}, I_F=10\text{mA}, R_L=100\ \Omega$ |

## Characteristics Curve

