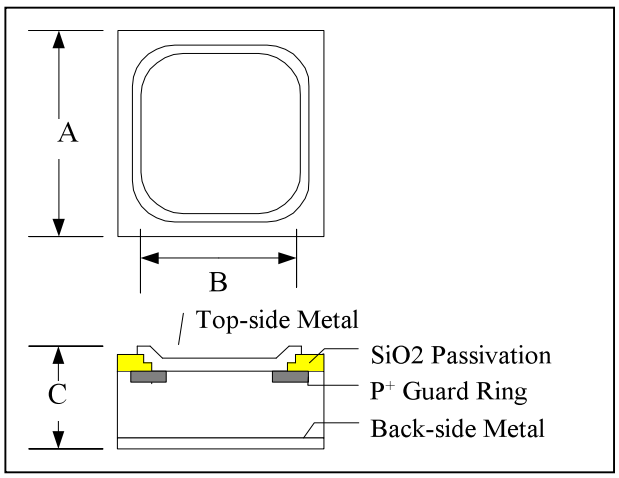
**SCHOTTKY DIE SPECIFICATION**
**Product Name: BWS-32-100-MA** **General Description: 32mil 100V High Barrier**

| ELECTRICAL CHARACTERISTICS | SYM | Spec. Limit | UNIT |
|---|---|---|---|
| Reverse Breakdown Voltage: Ir=0.10mA | VBRM | 105 | Volt |
| | | | |
| Average Rectified Forward Current | IFAV | 1.0 | Amp |
| Maximum Instantaneous Forward Voltage | | | |
| @ 1 Amperes, Ta=25℃ | VF MAX | 0.790 | Volt |
| Maximum Instantaneous Reverse Current | | | |
| VR= 103 Volt, Ta=25℃ | IR MAX | 50 | uA |
| | | | |
| **MAXIMUM RATINGS** | | | |
| Nonrepetitive Peak Surge Current | | | |
| Semi-Sine Wave, Duty = 8.3ms、1cycle | IFSM | 30 | Amp |
| Operating Junction Temperature | Tj | 150 | ℃ |
| Storage Temperatures | TSTG | -50 to +150 | ℃ |

1. Specification is applied to die only. Actual performance may degrade when assembled. BW does not guarantee device performance after assembly.
2. Suggest to storage in Nitrogen cabinet, 45-60% RH, 22-26 ℃ for 6 months.
3. Data sheet information is subjected to change without notice.
4. Suggest Soldering profile (Pb92.5%,5%Sn,Ag2.5%): Soldering peak Temp. 340~350 ℃ 3~5min.

DICE OUTLINE DRAWING




| DIM | ITEM | μm | Mil |
|---|---|---|---|
| A | Die Size | 813 | 32.00 |
| B | Top Metal Pad Size | 663 | 26.10 |
| C | Thickness | 280 | 11.00 |

(1)Cutting street width is around 40μm.
(2)Both of top-side and back-side metals are Ti/Ni/Ag.
(3) Top-side Ti/Ni thk: 0.42um, Ag thk: 3.5um
(4) Thickness(C) tolerance: +/-10um