

High Voltage Switching.

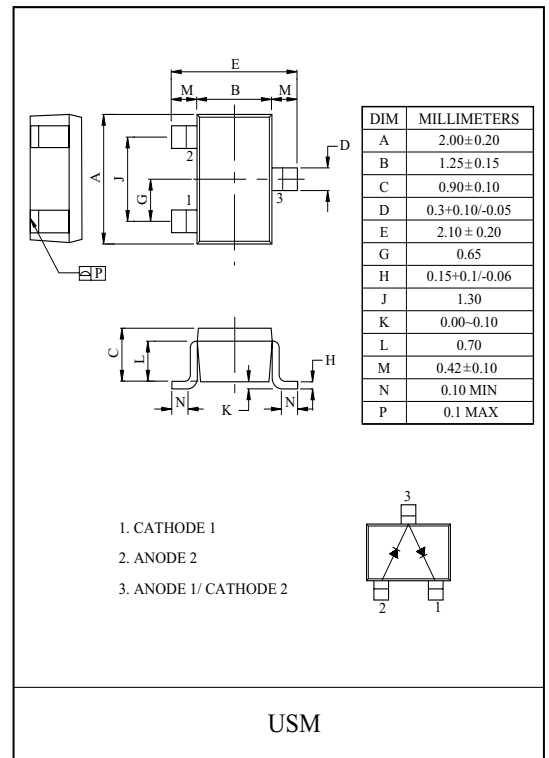
FEATURES

- High Reliability.
- Small surface mounting type (USM).

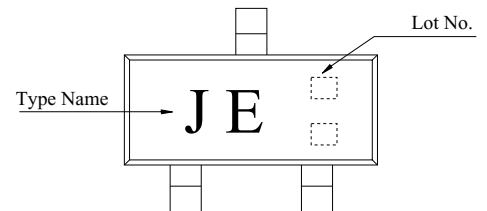
MAXIMUM RATING (Ta=25 °C)

| CHARACTERISTIC | SYMBOL | RATING | UNIT |
|--------------------------------|-----------|---------|------|
| Maximum (Peak) Reverse Voltage | V_{RM} | 300 | V |
| Reverse Voltage | V_R | 250 | V |
| Continuous Forward Current | I_F | 200 | mA |
| Surge Current (10mS) | I_{FSM} | 2 | A |
| Power Dissipation | P_D | 200 * | mW |
| Junction Temperature | T_j | 150 | |
| Storage Temperature Range | T_{stg} | -55 150 | |

Note : * Package Mounted On FR-5 Board (25.4 × 19.05 × 1.57mm)



Marking

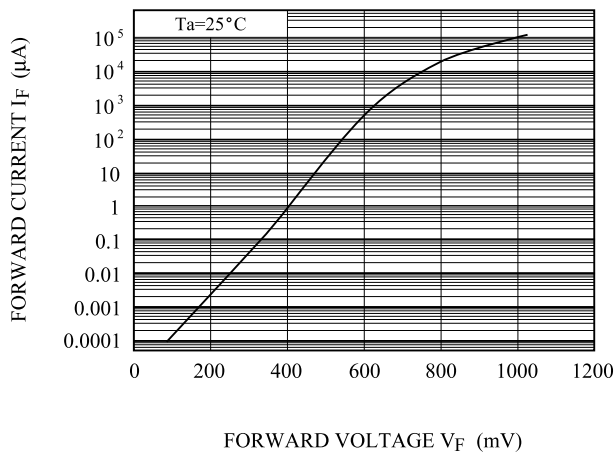


ELECTRICAL CHARACTERISTICS (Ta=25 °C)

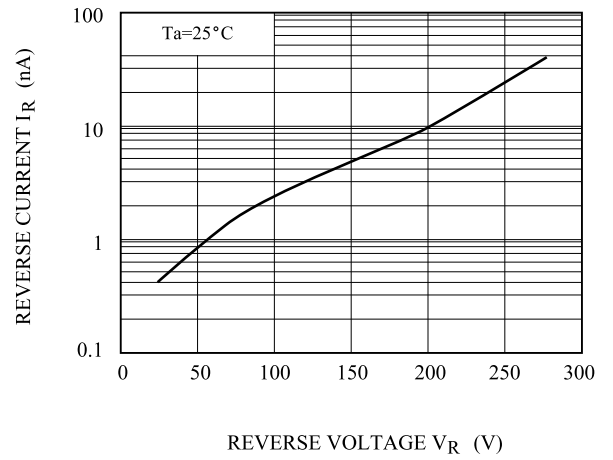
| CHARACTERISTIC | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|-----------------------|------------|----------------------|------|------|------|------|
| Forward Voltage | V_F | $I_F=150mA$ | - | - | 1.25 | |
| Reverse Current | $I_{R(1)}$ | $V_R=250V$ | - | - | 0.2 | μA |
| | $I_{R(2)}$ | $V_R=300V$ | - | - | 100 | |
| Total Capacitance | C_T | $V_R=0V, f=1MHz$ | - | - | 3 | pF |
| Reverse Recovery Time | t_{rr} | $I_R=30mA, I_F=30mA$ | - | - | 100 | nS |

BAS23W

$I_F - V_F$



$I_R - V_R$



$C_T - V_R$

