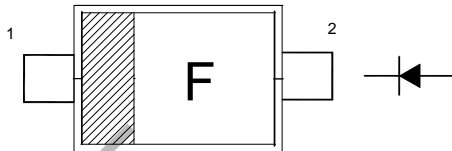


PINNING

| PIN | DESCRIPTION |
|-----|-------------|
| 1 | Cathode |
| 2 | Anode |

FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability


Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

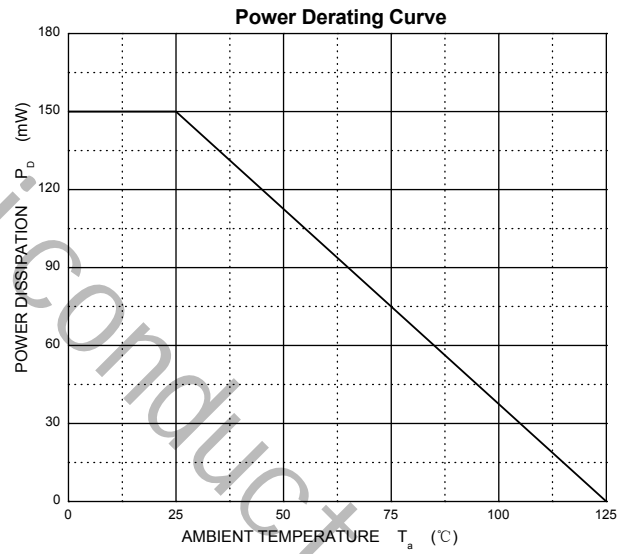
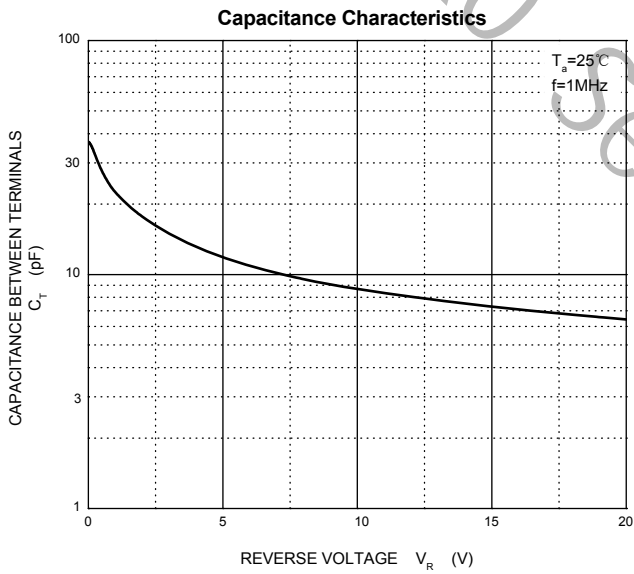
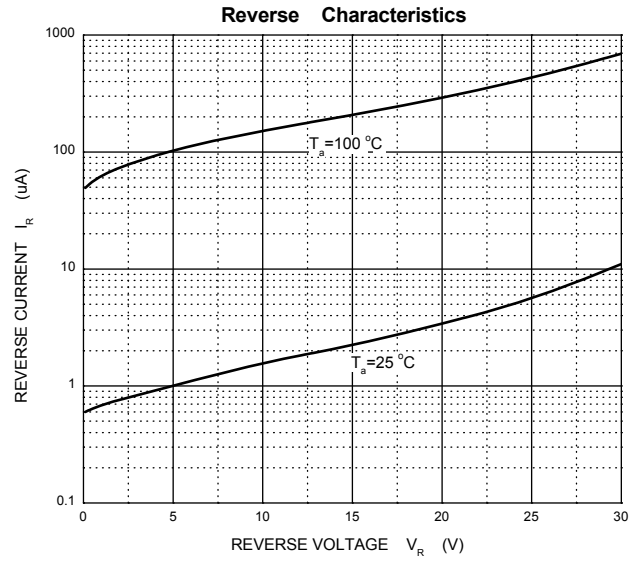
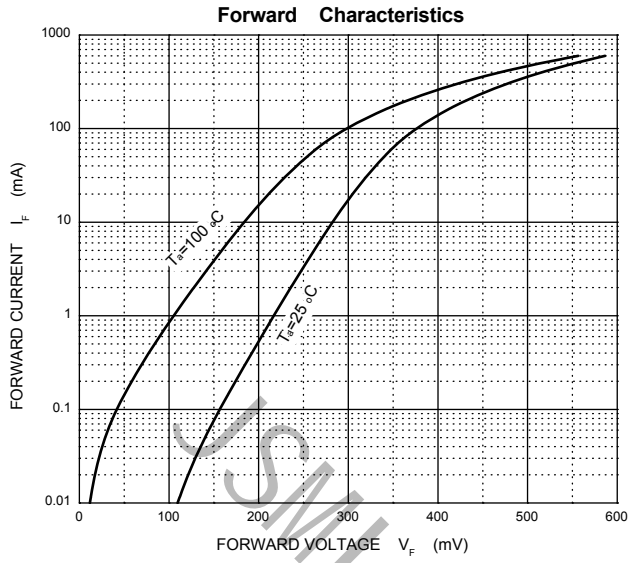
| Parameter | Symbol | Limit | Unit |
|---|-----------|------------|------|
| DC reverse voltage | V_R | 30 | V |
| Mean rectifying current | I_o | 100 | mA |
| Non-repetitive Peak forward surge current @ t=8.3ms | I_{FSM} | 500 | mA |
| Operating Junction Temperature Range | T_j | 125 | °C |
| Storage Temperature Range | T_{stg} | -40 ~ +150 | °C |

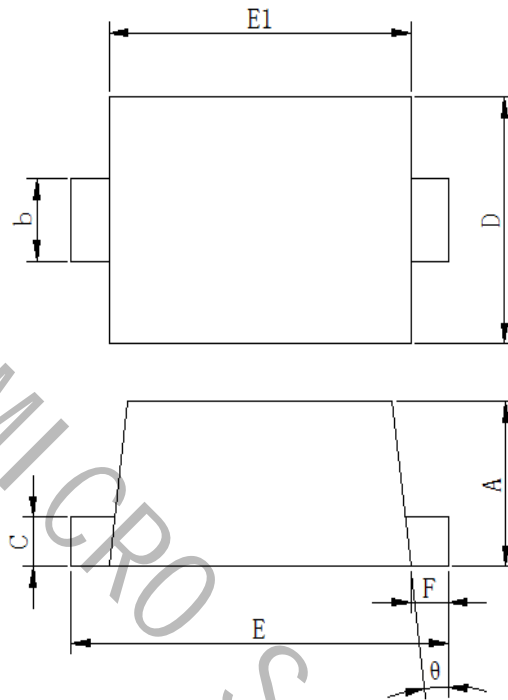
Electrical Ratings @Ta=25°C

| Parameter | Symbol | Min | Typ | Max | Unit | Conditions |
|-----------------|----------|-----|-----|------|---------|------------|
| Forward voltage | V_{F1} | | | 0.35 | V | $I_F=10mA$ |
| | V_{F2} | | | 0.4 | V | $I_F=20mA$ |
| Reverse current | I_R | | | 10 | μA | $V_R=10V$ |

Ordering Information (Example)

| PREFERED P/N | PACKING CODE | Marking | MINIMUM PACKAGE(pcs) | INNER BOX QUANTITY(pcs) | OUTER CARTON QUANTITY(pcs) | DELIVERY MODE |
|--------------|--------------|---------|----------------------|-------------------------|----------------------------|---------------|
| RB521CS-30 | F2 | F | 8000 | 120000 | 480000 | 7" reel |

Typical Characteristics


SOD-923 Package Outline Dimensions


| Symbol | Dimensions In Millimet | |
|----------|------------------------|-------|
| | Min | Max |
| A | 0.360 | 0.440 |
| b | 0.150 | 0.250 |
| c | 0.070 | 0.170 |
| D | 0.550 | 0.650 |
| E | 0.950 | 1.100 |
| E1 | 0.750 | 0.850 |
| F | 0.050 | 0.150 |
| θ | | 5° |

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