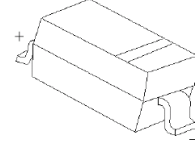




SOD-323 Plastic-Encapsulate Diodes

1SS355 FAST SWITCHING DIODE

SOD-323



FEATURES

- 1) Small surface mounting type
- 2) High speed
- 3) High reliability with high surge current handling capability

MARKING: A

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

| Parameter | Symbol | Limit | Unit |
|-------------------------------------|-------------|----------|------|
| Non-repetitive peak reverse voltage | V_{RM} | 90 | V |
| DC blocking voltage | V_R | 80 | V |
| Peak forward current | I_{FM} | 225 | mA |
| Average rectified output current | I_O | 100 | mA |
| Surge current (@t=1s) | I_{surge} | 500 | mA |
| Junction temperature | T_j | 150 | °C |
| Storage temperature | T_{STG} | -55~+150 | °C |

Electrical Ratings @Ta=25°C

| Parameter | Symbol | Min | Typ | Max | Unit | Conditions |
|-------------------------------|----------|-----|-----|-----|------|-----------------------------------|
| Forward voltage | V_F | | | 1.2 | V | $I_F=100mA$ |
| Reverse current | I_R | | | 0.1 | μA | $V_R=80V$ |
| Capacitance between terminals | C_T | | | 3 | pF | $V_R=0.5V, f=1MHz$ |
| Reverse recovery time | t_{rr} | | | 4 | ns | $I_F=10mA, V_R=6V, R_L=100\Omega$ |

Typical Characteristics

1SS355

