

MA2S077

TY epitaxial planar type

For band switching

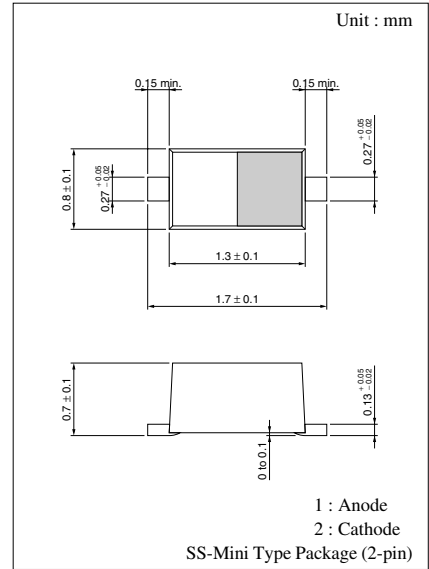
■ Features

- Low forward dynamic resistance r_f
- Less voltage dependence of diode capacitance C_D
- SS-mini type package, allowing downsizing of equipment and automatic insertion through the taping package

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Rating | Unit |
|--------------------------------|-----------|-------------|------------------|
| Reverse voltage (DC) | V_R | 35 | V |
| Forward current (DC) | I_F | 100 | mA |
| Operating ambient temperature* | T_{opr} | -25 to +85 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to +150 | $^\circ\text{C}$ |

Note) * : Maximum ambient temperature during operation



Marking Symbol: S

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|-----------------------------|--------|---|-----|------|------|----------|
| Reverse current (DC) | I_R | $V_R = 33\text{ V}$ | | 0.01 | 100 | nA |
| Forward voltage (DC) | V_F | $I_F = 100\text{ mA}$ | | 0.92 | 1.0 | V |
| Diode capacitance | C_D | $V_R = 6\text{ V}, f = 1\text{ MHz}$ | | 0.9 | 1.2 | pF |
| Forward dynamic resistance* | r_f | $I_F = 2\text{ mA}, f = 100\text{ MHz}$ | | 0.65 | 0.85 | Ω |

Note) 1. Rated input/output frequency: 100 MHz

2. * : r_f measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER