

MA2JP02

Silicon epitaxial planar type

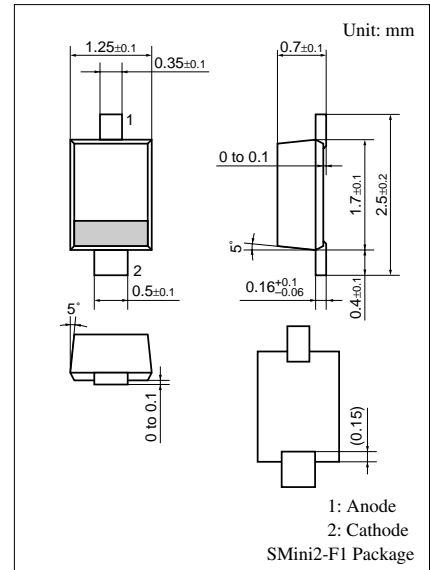
For high frequency switch

■ Features

- Low terminal capacitance: $C_t \leq 0.5 \text{ pF}$
- Low forward dynamic resistance: $r_f \leq 2.0 \text{ } \Omega$
- Miniature package and surface mounting type

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

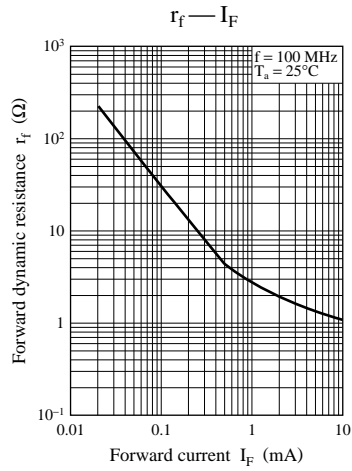
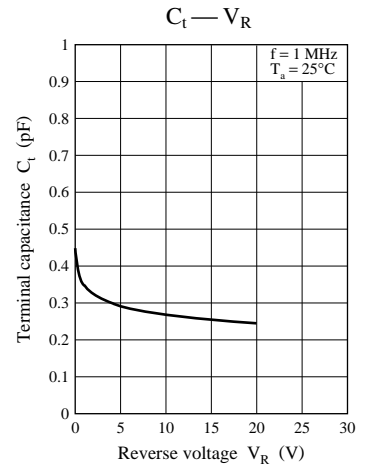
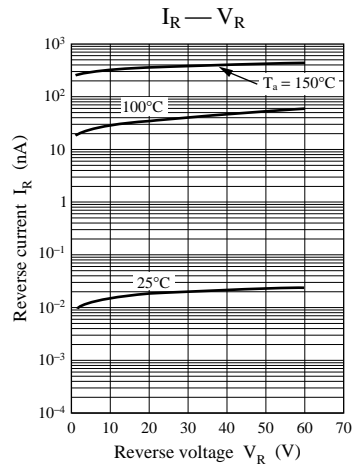
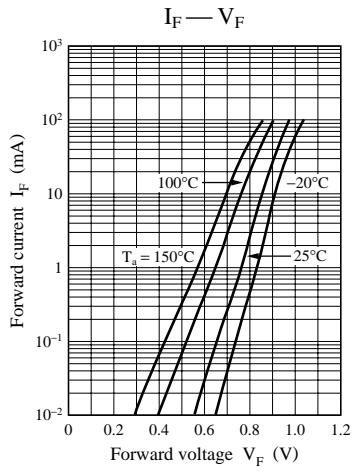
| Parameter | Symbol | Rating | Unit |
|----------------------|-----------|-------------|------------------|
| Reverse voltage (DC) | V_R | 60 | V |
| Forward current (DC) | I_F | 100 | mA |
| Power dissipation | P_D | 150 | mW |
| Junction temperature | T_j | 150 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to +150 | $^\circ\text{C}$ |



Marking Symbol: 3F

■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|----------------------------|--------|--|-----|-----|-----|----------|
| Reverse current (DC) | I_R | $V_R = 60 \text{ V}$ | | | 100 | nA |
| Forward voltage (DC) | V_F | $I_F = 10 \text{ mA}$ | | | 1.0 | V |
| Terminal capacitance | C_t | $V_R = 1 \text{ V}, f = 1 \text{ MHz}$ | | | 0.5 | pF |
| Forward dynamic resistance | r_f | $I_F = 10 \text{ mA}, f = 100 \text{ MHz}$ | | | 2.0 | Ω |



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