

TOSHIBA SCHOTTKY BARRIER RECTIFIER SCHOTTKY BARRIER TYPE

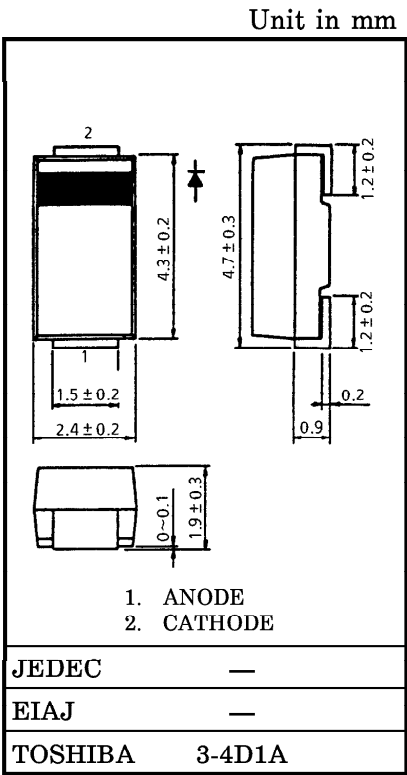
U2FWJ44N

HIGH SPEED RECTIFIER APPLICATIONS

- Low Forward Voltage :  $V_{FM}=0.37V$  (Max.)
- Average Forward Current :  $I_F(AV)=2.0A$
- Repetitive Peak Reverse Voltage :  $V_{RRM}=30V$

MAXIMUM RATINGS

| CHARACTERISTIC                                        | SYMBOL    | RATING    | UNIT |
|-------------------------------------------------------|-----------|-----------|------|
| Repetitive Peak Reverse Voltage                       | $V_{RRM}$ | 30        | V    |
| Average Forward Current                               | $I_F(AV)$ | 2.0       | A    |
| Peak One Cycle Surge Forward Current (Non-Repetitive) | $I_{FSM}$ | 80 (50Hz) | A    |
| Junction Temperature                                  | $T_j$     | -40~125   | °C   |
| Storage Temperature Range                             | $T_{stg}$ | -40~125   | °C   |



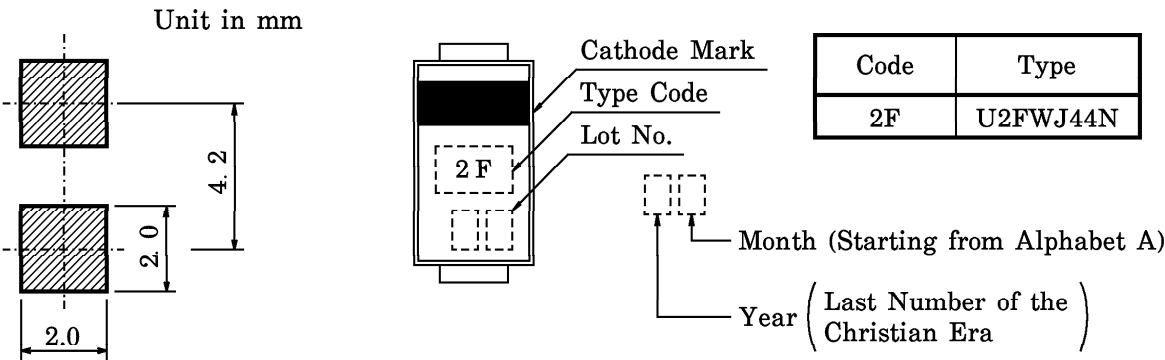
Weight : 0.06g

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

| CHARACTERISTIC                  | SYMBOL    | TEST CONDITION    | MIN. | TYP. | MAX. | UNIT |
|---------------------------------|-----------|-------------------|------|------|------|------|
| Peak Forward Voltage            | $V_{FM}$  | $I_{FM}=2.0A$     | —    | —    | 0.37 | V    |
| Repetitive Peak Reverse Current | $I_{RRM}$ | $V_{RRM}=30V$     | —    | —    | 3.0  | mA   |
| Junction Capacitance            | $C_j$     | $V_R=10V, f=1MHz$ | —    | 130  | —    | pF   |

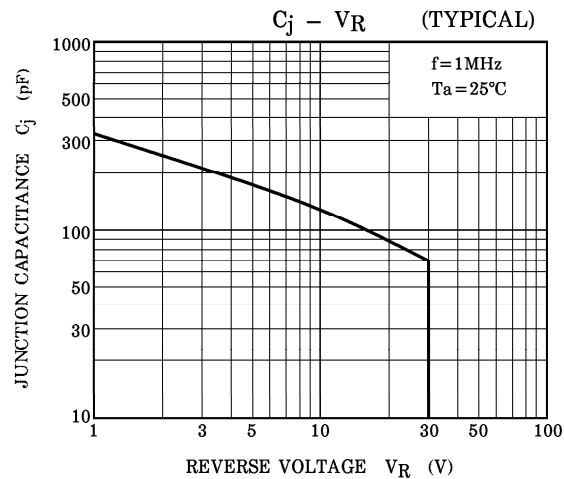
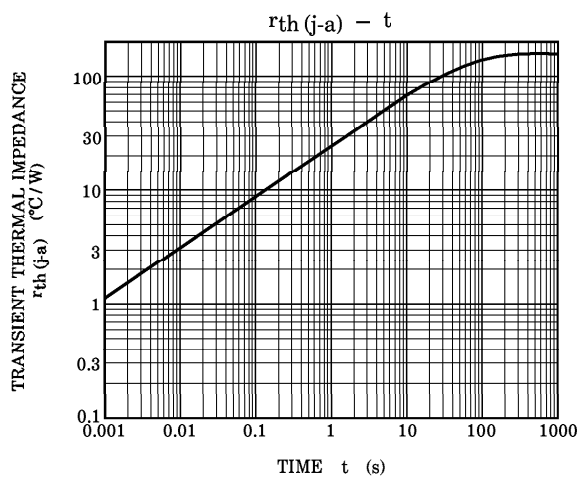
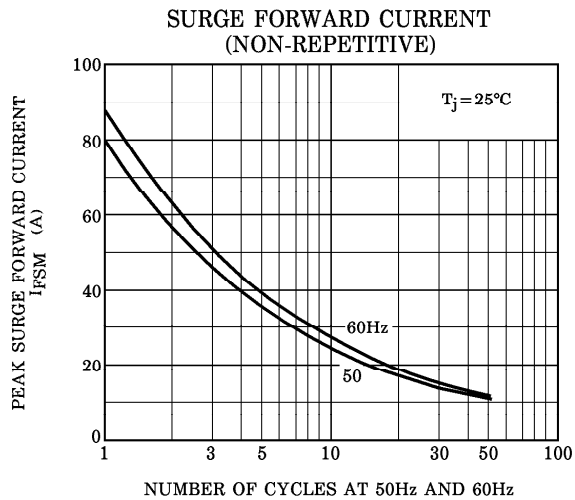
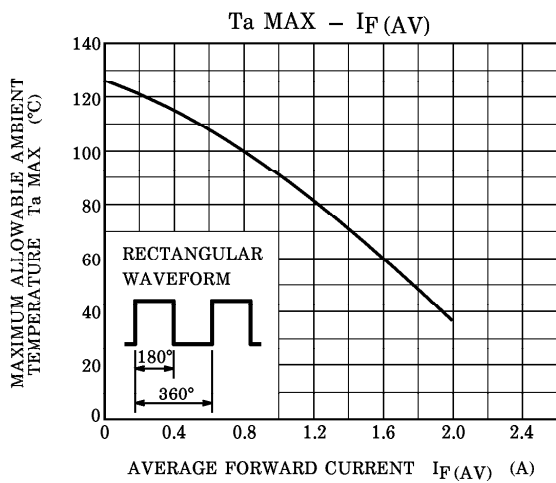
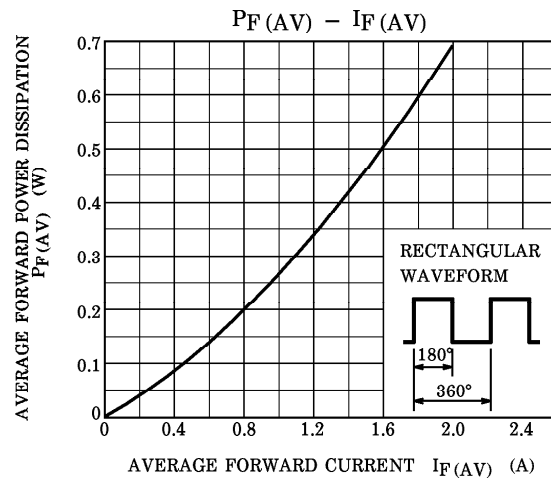
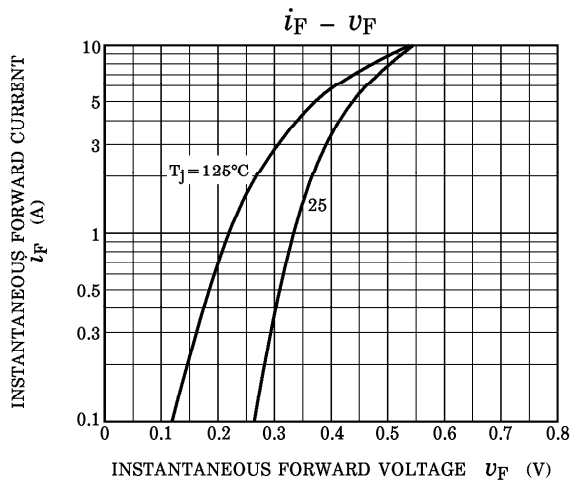
Standard Soldering Pad

Mark



961001EAA2

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