

1SS384

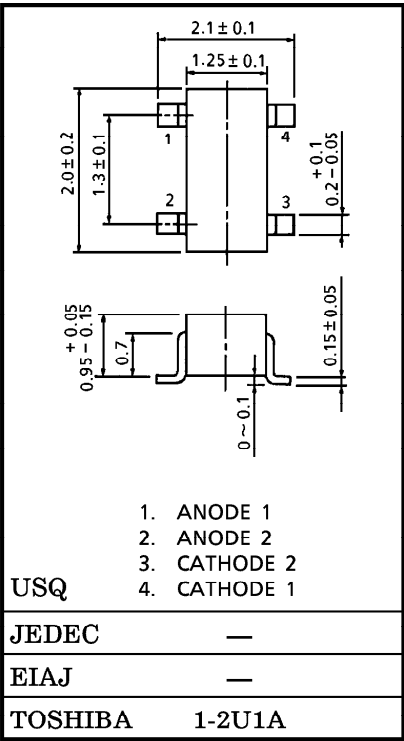
LOW VOLTAGE HIGH SPEED SWITCHING

Unit in mm

- Small Package
- Composed of 2 independent diodes.
- Low Forward Voltage :  $V_F(2) = 0.23V$  (TYP.) @  $I_F = 5mA$

MAXIMUM RATINGS ( $T_a = 25^{\circ}C$ )

| CHARACTERISTIC                 | SYMBOL    | RATING  | UNIT        |
|--------------------------------|-----------|---------|-------------|
| Maximum (Peak) Reverse Voltage | $V_{RM}$  | 15      | V           |
| Reverse Voltage                | $V_R$     | 10      | V           |
| Maximum (Peak) Forward Current | $I_{FM}$  | 200 ※   | mA          |
| Average Forward Current        | $I_O$     | 100 ※   | mA          |
| Surge Current (10ms)           | $I_{FSM}$ | 1       | A           |
| Power Dissipation              | P         | 100 ※   | mW          |
| Junction Temperature           | $T_j$     | 125     | $^{\circ}C$ |
| Storage Temperature Range      | $T_{stg}$ | -55~125 | $^{\circ}C$ |
| Operating Temperature Range    | $T_{opr}$ | -40~100 | $^{\circ}C$ |



Weight : 0.006g

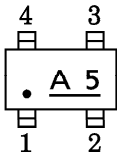
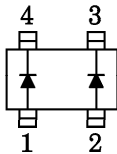
※ Unit Rating. Total Rating=Unit Rating×1.5

ELECTRICAL CHARACTERISTICS ( $T_a = 25^{\circ}C$ )

| CHARACTERISTIC    | SYMBOL   | TEST CONDITION      | MIN. | TYP. | MAX. | UNIT    |
|-------------------|----------|---------------------|------|------|------|---------|
| Forward Voltage   | $V_F(1)$ | $I_F = 1mA$         | —    | 0.18 | —    | V       |
|                   | $V_F(2)$ | $I_F = 5mA$         | —    | 0.23 | 0.30 | V       |
|                   | $V_F(3)$ | $I_F = 100mA$       | —    | 0.35 | 0.50 | V       |
| Reverse Current   | $I_R$    | $V_R = 10V$         | —    | —    | 20   | $\mu A$ |
| Total Capacitance | $C_T$    | $V_R = 0, f = 1MHz$ | —    | 20   | 40   | pF      |

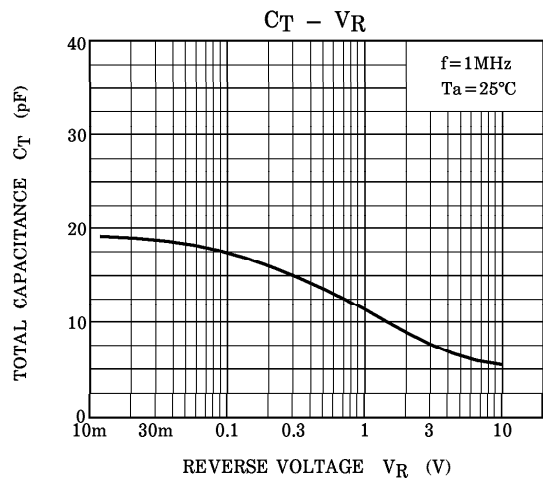
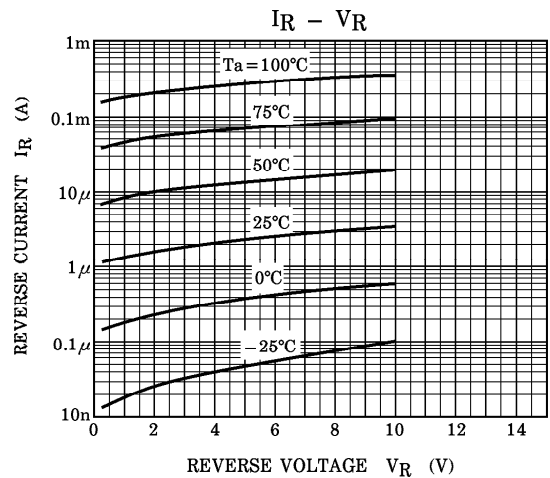
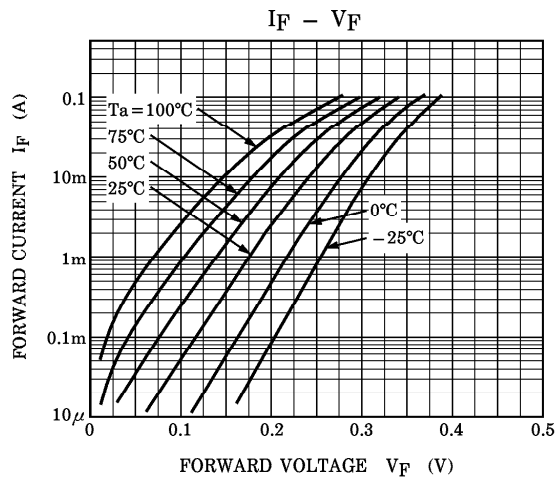
PIN ASSIGNMENT (TOP VIEW)

MARKING



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