

## Schottky Barrier Diode

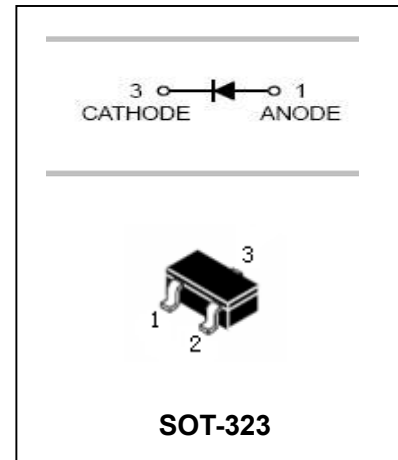
**RB461F**

### FEATURES

- Small total capacitance.
- Power dissipation.( $P_D=150\text{mW}$ )



Lead-free



### APPLICATIONS

- For general purpose applications.

### ORDERING INFORMATION

| Type No. | Marking | Package Code |
|----------|---------|--------------|
| RB461F   | 3B      | SOT-323      |

### MAXIMUM RATING @ $T_a=25^\circ\text{C}$ unless otherwise specified

| Parameter                  | Symbol    | Limits      | Unit             |
|----------------------------|-----------|-------------|------------------|
| Diode reverse voltage      | $V_R$     | 20          | V                |
| Forward continuous Current | $I_F$     | 700         | mA               |
| Power Dissipation          | $P_d$     | 150         | mW               |
| Junction temperature       | $T_j$     | 150         | $^\circ\text{C}$ |
| Storage temperature range  | $T_{stg}$ | -55 to +150 | $^\circ\text{C}$ |

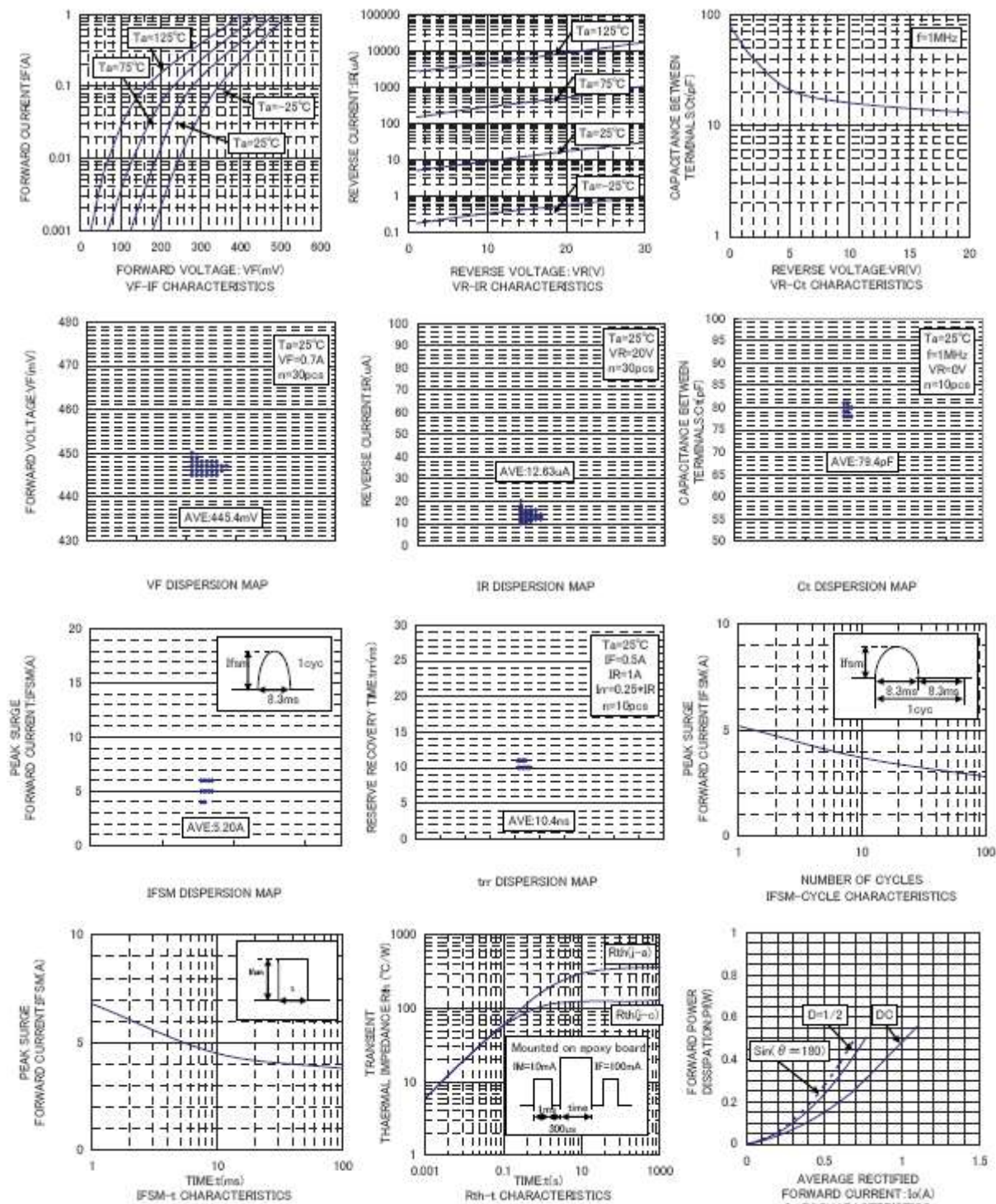
### ELECTRICAL CHARACTERISTICS @ $T_a=25^\circ\text{C}$ unless otherwise specified

| Parameter                 | Symbol      | Test conditions    | MIN | Typ. | MAX  | UNIT          |
|---------------------------|-------------|--------------------|-----|------|------|---------------|
| Reverse breakdown voltage | $V_{(BR)R}$ | $I_R=1\text{mA}$   | 20  |      |      | V             |
| Reverse current           | $I_R$       | $V_R=20\text{V}$   |     |      | 200  | $\mu\text{A}$ |
| Forward voltage           | $V_F$       | $I_F=700\text{mA}$ |     |      | 0.49 | V             |

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## RB461F

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified



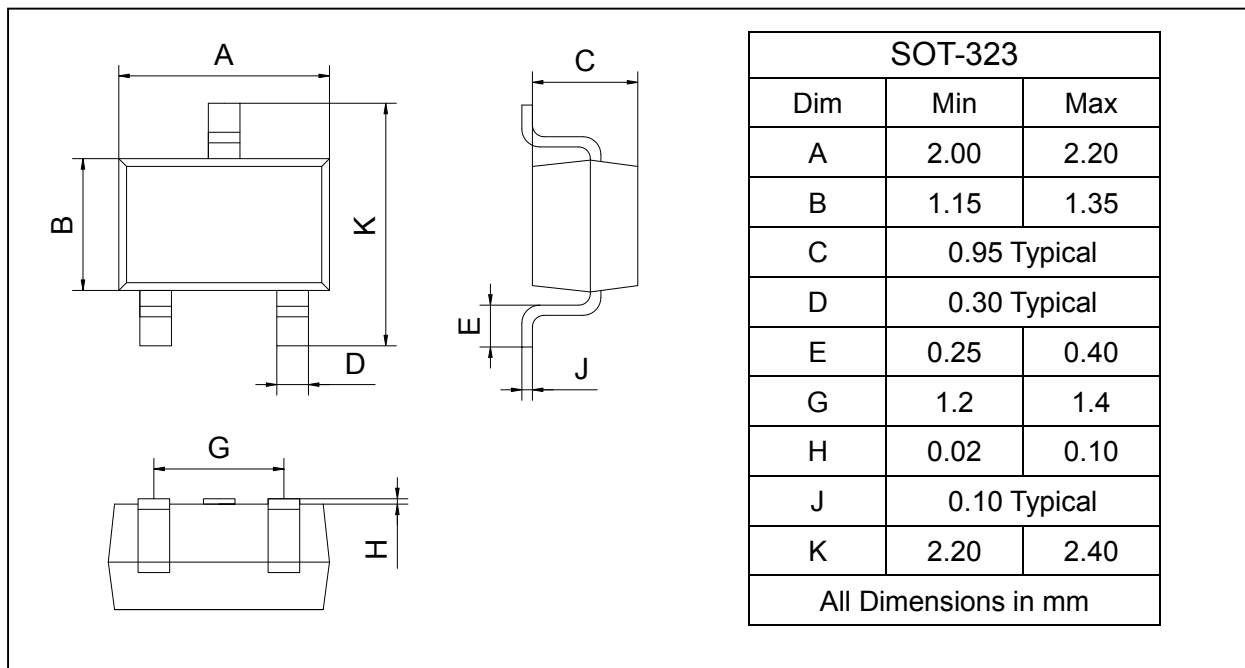
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**RB461F**

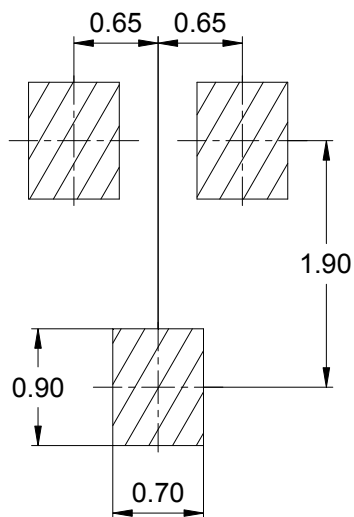
### PACKAGE OUTLINE

Plastic surface mounted package

SOT-323



### SOLDERING FOOTPRINT



Unit : mm

### PACKAGE INFORMATION

| Device | Package | Shipping       |
|--------|---------|----------------|
| RB461F | SOT-323 | 3000/Tape&Reel |