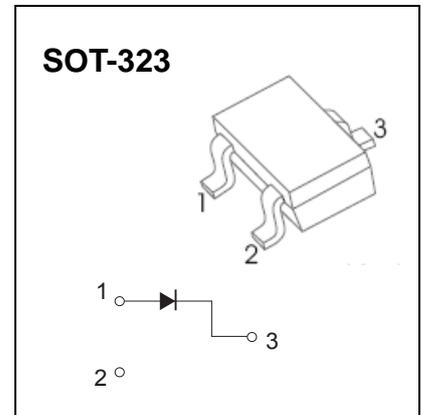


## SOT-323 Plastic-Encapsulate Diodes

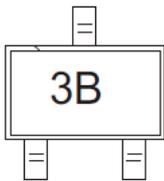
### RB461F SCHOTTKY BARRIER DIODE

#### FEATURES

- Low-power rectification
- For switching power supply
- Ultra low  $V_F$
- $I_F=0.7A$  guaranteed despite the size



#### MARKING: 3B



#### Maximum Ratings @ $T_a=25^{\circ}\text{C}$

Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	$V_{RM}$	25	V
DC Blocking Voltage	$V_R$	20	V
Average Rectified Output Current	$I_O$	700	mA
Power Dissipation	$P_D$	150	mW
Operating Junction Temperature Range	$T_J$	-40 ~ +125	$^{\circ}\text{C}$
Storage Temperature Range	$T_{STG}$	-55 ~ +150	$^{\circ}\text{C}$

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

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R=200\mu\text{A}$	20		V
Reverse voltage leakage current	$I_R$	$V_R=20\text{V}$		200	$\mu\text{A}$
Forward voltage	$V_F$	$I_F=700\text{mA}$		0.49	V

**Typical Characteristics**
