

**Schottky Barrier Diode**

**RB411**

**500 mA**



SOT-23

- 1. Anode
- 2. NC
- 3. Cathode

- GENERAL PURPOSE DETECTION
- HIGH SPEED SWITCHING
- LOW REVERSE CURRENT AND FORWARD VOLTAGE

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETERS	SYMBOL	MIN	TYP	MAX	UNIT	CONDITION
Reverse Voltage	V <sub>R</sub>	20			V	I <sub>R</sub> =1mA
Rectifying Current	I <sub>O</sub>			500	mA	
Peak Surge Current	I <sub>FSM</sub>			3	A	60Hz
Forward Voltage	V <sub>F</sub>		0.43	0.5	V	I <sub>F</sub> =500mA
Reverse Current	I <sub>R</sub>			30	μA	V <sub>R</sub> =10V
Capacitance Between Terminal	C <sub>T</sub>		2.0		pF	V <sub>R</sub> =1V, f=1MHz
Power Dissipation	P <sub>c</sub>			0.25	W	
Junction Temperature	T <sub>j</sub>			125	°C	
Storage Temperature	T <sub>stg</sub>	-40		125	°C	