



**Transys**  
Electronics  
**LIMITED**

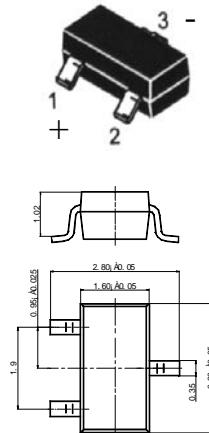
## **RB491D** Schottky barrier Diodes

### **FEATURES**

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

**Marking:** D2D

**SOT-23-3L**



### **Maximum Ratings and Electrical Characteristics, Single Diode @T<sub>A</sub>=25°C**

Parameter	Symbol	Limits		Unit
Peak reverse voltage	V <sub>RM</sub>	40		V
DC reverse voltage	V <sub>R</sub>	40		V
Mean rectifying current	I <sub>O</sub>	100		mA
Peak forward surge current	I <sub>FSM</sub>	1		A
Junction temperature	T <sub>j</sub>	125		°C
Storage temperature	T <sub>stg</sub>	-40~+125		°C

### **Electrical Ratings @T<sub>A</sub>=25°C**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V <sub>F1</sub>			0.53	V	I <sub>F</sub> =1A
Reverse current	I <sub>R</sub>			100	µA	V <sub>R</sub> =40V