RB491DWS

SCHOTTKY BARRIER DIODE

Features

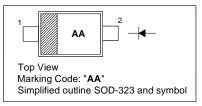
- Small surface mounting type
- Ultra low V_F

Applications

- For switching power supply
- Low-power rectification

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	V_{RM}	25	V
Reverse Voltage	V_R	20	V
Forward Current	I _F	1	А
Peak Forward Surge Current (60 Hz for 1 Cyc.)	I _{FSM}	3	А
Junction Temperature	T _J	125	°C
Storage Temperature Range	T _s	- 40 to + 125	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at I _F = 1 A	V _F	0.45	V
Reverse Current at V _R = 20 V	I _R	200	μΑ

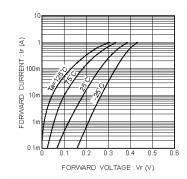
Note: ESD sensitive product handling required.











1000 CURRENT: IR (mA) REVERSE REVERSE VOLTAGE: VR (V)

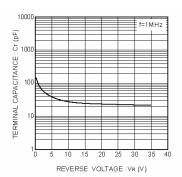


Fig.1 Forward characteristics

Fig.2 Reversecharacteristics

Fig.3 Capacitance between terminals characteristics

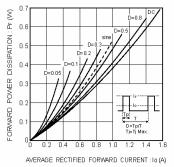


Fig.4 Forward power dissipation characteristics

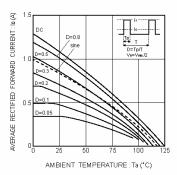


Fig.5 Derating curve (Io - Ta)













Dated: 01/09/2006

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323

