

 $\cdot M \cdot C \cdot C \cdot$ 

Micro Commercial Components

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311 Phone: (818) 701-4933 Fax: (818) 701-4939

## **Features**

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0

# **Maximum Ratings**

Parameter	Symbol Value		Unit				
Peak Reverse Voltage	V <sub>RM</sub>	40	V				
DC Reverse Voltage	V <sub>R</sub>	40	V				
Mean Rectifying Current	Ι <sub>ο</sub>	100	mA				
Peak Forward Surge Current	I <sub>FSM</sub>	1	А				
Junction Temperature	ΤJ	125	°C				
Storage Temperature	T <sub>STG</sub>	-40 to 125	°C				

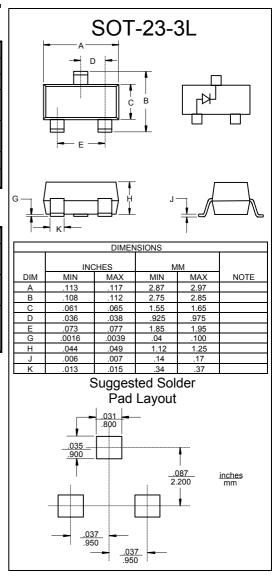
## Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Min.	Тур.	Max.	Unit	
Forward Voltage @ I <sub>F</sub> =10mA	$V_{\text{F}}$			0.45	V	
Reverse Current @ V <sub>R</sub> =10V	I <sub>R</sub>			1	μA	
Capacitance Between Terminals @V <sub>R</sub> =10V, f=1MHz	C <sub>T</sub>		6		pF	

Marking: D3B

**RB420D** 

# 0.1 Amp Schottky Barrier Rectifier 40 Volts



www.mccsemi.com

2006/05/13



**Micro Commercial Components** 

### \*\*\*IMPORTANT NOTICE\*\*\*

Micro Commercial Components Corp. reserves the right to make changes without further notice to any product herein to make corrections, modifications, enhancements, improvements, or other changes.
Micro Commercial Components Corp. does not assume any liability arising out of the application or use of any product described herein; neither does it convey any license under its patent rights, nor the rights of others. The user of products in such applications shall assume all risks of such use and will agree to hold Micro Commercial Components Corp. and all the companies whose products are represented on our website, harmless against all damages.

## **\*\*\*APPLICATIONS DISCLAIMER\*\*\***

Products offer by Micro Commercial Components Corp. are not intended for use in Medical,

Aerospace or Military Applications.

