

# Micro Commercial Components Corp.

#### **Products End of Life Notification**

Issue date: Aug-1<sup>th</sup>-2008

Last Buy Date :Jan-1th-2009

**Description and Purpose:** 

MCC has undergone a review of its core business and products , and determined to discontinue below products:

Discontinued Devices	Possible Replacements			
RB400D	RB400DS			
RB411D	RB411DS			
RB420D	RB420DS			
RB421D	RB421DS			
RB425D	RB425DS			
RB491D	RB491DS			
RB495D	RB495DS			





**Micro Commercial Components** 

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## **RB420D**

### **Features**

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

# 0.1 Amp Schottky Barrier Rectifier 40 Volts

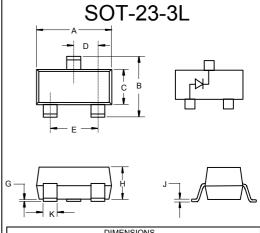
# **Maximum Ratings**

Parameter	Symbol	Value	Unit
Peak Reverse Voltage	$V_{RM}$	40	V
DC Reverse Voltage	$V_R$	40	V
Mean Rectifying Current	Io	100	mA
Peak Forward Surge Current	I <sub>FSM</sub>	1	Α
Junction Temperature	$T_J$	125	$^{\circ}\!\mathbb{C}$
Storage Temperature	T <sub>STG</sub>	-40 to 125	$^{\circ}\!\mathbb{C}$

#### Electrical Characteristics @ 25°C Unless Otherwise Specified

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

Marking: D3B



DIMENSIONS					
	INC	CHES	MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.113	.117	2.87	2.97	
В	.108	.112	2.75	2.85	
С	.061	.065	1.55	1.65	
D	.036	.038	.925	.975	
Е	.073	.077	1.85	1.95	
Ð	.0016	.0039	.04	.100	
Ι	.044	.049	1.12	1.25	
J	.006	.007	.14	.17	
K	.013	.015	.34	.37	

# Suggested Solder Pad Layout O31 800 035 900 037 037 037 037



#### **Micro Commercial Components**

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