

**M·C·C·**

Micro Commercial Components



Micro Commercial Components  
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**RB715F**

## Features

- Halogen free available upon request by adding suffix "-HF"
- High reliability
- Low  $V_F$  and Low  $I_R$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking:3D
- Lead Free Finish/Rohs Compliant ("P"Suffix designates Compliant. See ordering information)

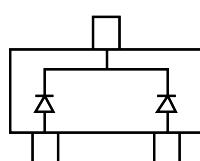
## Maximum Ratings

Symbol	Parameter	Rating	Unit
$V_{RM}$	Peak Reverse Voltage	40	V
$I_F$	Forward Current	30	mA
$I_{FSM}$	Peak Forward Surge Current*	200	mA
$T_J$	Junction Temperature	-55 to +150	°C
$T_{STG}$	Storage Temperature	-55 to +150	°C

\*Rating of per diode(60Hz • 1cyc)

## Electrical Characteristics @ 25°C Unless Otherwise Specified

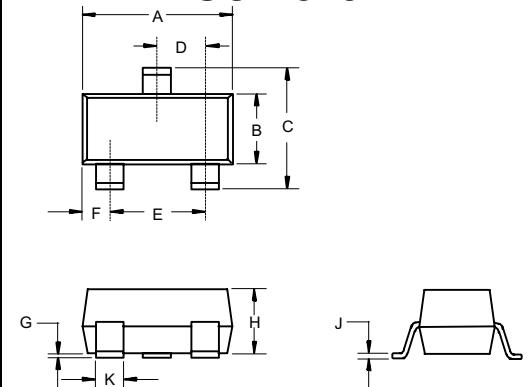
Symbol	Parameter	Min	Typ	Max	Units
<b>OFF CHARACTERISTICS</b>					
$V_F$	Forward Voltage ( $I_F=1\text{mA}$ )	---	---	0.37	Vdc
$I_R$	Reverse Current ( $V_R=10\text{Vdc}$ )	---	---	1	uAdc
$C_D$	Diode Capacitance ( $V_R=1\text{V}$ , $f=1\text{MHz}$ )	---	---	5	PF



RB715F

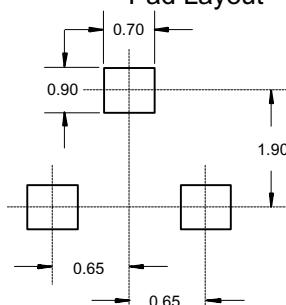
**30 mA  
Schottky Barrier Diode  
40 Volts**

**SOT-323**



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.079	.087	2.00	2.20	
B	.045	.053	1.15	1.35	
C	.085	.096	2.15	2.45	
D	.026 Nominal		0.65 Nominal		
E	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
H	.035	.039	.90	1.00	
J	.003	.006	.080	.150	
K	.008	.016	.20	.40	

**Suggested Solder  
Pad Layout**



**www.mccsemi.com**

## Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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