



**RB715W**

**30 mA  
Schottky Barrier Diode  
40 Volts**

**Features**

- High reliability
- Low  $V_F$  and Low  $I_R$
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

**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)

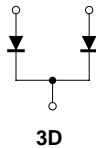
**SOT-523**

DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.030	.033	0.75	0.85	
C	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
E	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
H	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
K	.010	.014	.25	.35	

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

Symbol	Parameter	Min	Typ	Max	Units
<b>OFF CHARACTERISTICS</b>					
$V_F$	Forward Voltage ( $I_F=1\text{mA}_{dc}$ )	---	---	0.37	Vdc
$I_R$	Reverse Current ( $V_R=10\text{Vdc}$ )	---	---	1	uAdc
$C_D$	Diode Capacitance ( $V_R=1\text{V}$ , $f=1\text{MHz}$ )	---	---	2	pF

**Marking:**



Note: 1. High Temperature Solder Exemption Applied, see EU Directive Annex 7.



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### 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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