



RB715W

30 mA Schottky Barrier Diode 40 Volts

Features

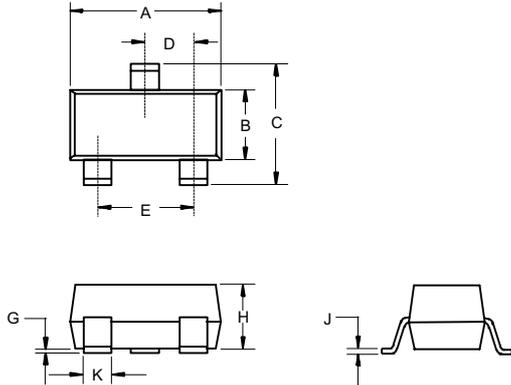
- High reliability
- Low V_F and Low I_R
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

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

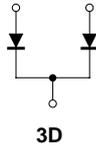


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.059	.067	1.50	1.70	
B	.030	.033	0.75	0.85	
C	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
E	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
H	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
K	.010	.014	.25	.35	

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
OFF CHARACTERISTICS					
V_F	Forward Voltage ($I_F=1\text{mA}_{dc}$)	---	---	0.37	Vdc
I_R	Reverse Current ($V_R=10\text{V}_{dc}$)	---	---	1	μA_{dc}
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.



TM

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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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