

RB10U40WS

PACKAGE OUTLINE

SOD-323

Schottky Barrier Rectifiers

FEATURES

- Low Forward Voltage Drop
- Extremely Small SOD-323 Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Band Indicates Cathode
- Marking: JU4
- Tape and reel: 3,000Pcs/ 7" reel

APPLICATIONS

- Low voltage rectification
- Reverse polarity protection
- Low power consumption applications

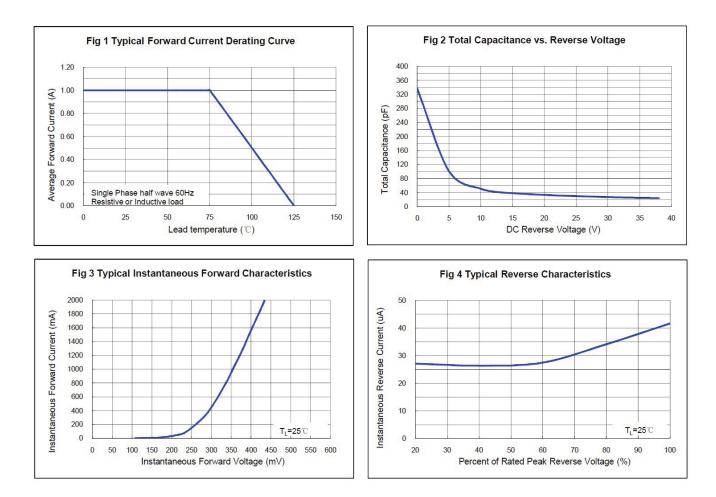
MAXIMUM RATING (Tamb=25 °C)

Symbol	Parameter	Value	Units
V _{RRM}	Maximum repetitive reverse voltage	40	V
V _R	Maximum DC blocking reverse voltage	40	V
I _{F(AV)}	Average Forward Current	2	А
I _{FSM}	Peak Forward Surge Current (At 8.3ms single half sine-wave)	20	А
TJ	Operating Junction Temperature	-50 to +125	°C
T _{STG}	Storage Temperature Range	-50 to +150	°C

These ratings are limiting values above which the serviceability of the diode may be impaired.

ELECTRICAL CHARACTERISTICS (Tamb=25 °C)

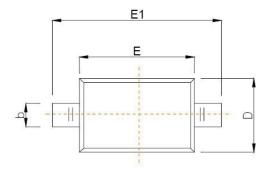
Parameter	Symbol	Min.	Тур.	Max.	Unit
Breakdown Voltage at I _R =0.1mA	V _{BR}	40			V
Reverse Leakage Current at V _R =40V	I _R			80	μA
Forward Voltage at I _F =1A	V _F		0.37	0.42	V
Forward Voltage at I _F =2A	V _F			0.50	V
Junction Capacitance $V_R = 0V$, f = 1MHz	CJ		340	400	pF

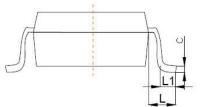


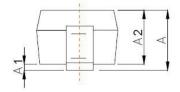
RATING AND CHARACTERISTICS CURVES (RB10U40WS)



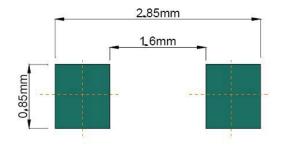
SOD-323 Package Outline Dimensions







Oumahal	Dimensions In Millimeters		
Symbol –	Min	Max	
A		1.00	
A1	0.000	0.100	
A2	0.800	0.900	
b	0.250	0.350	
с	0.080	0.150	
D	1.200	1.400	
E	1.600	1.800	
E1	2.500	2.700	
е	1.800	2.040	
L	0.475 REF		
L1	0.250	0.400	
θ	0°	8°	



Recommended Pad outline



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