

**WOM SILICON BRIDGE RECTIFIER**

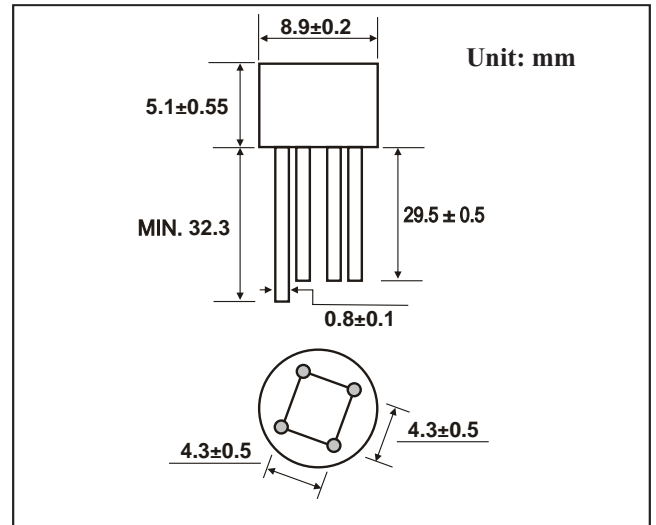
REVERSE VOLTAGE: 50 --- 1000V CURRENT: 1.5A

**FEATURES**

• High efficiency  
 • Low forward voltage drop  
 • High surge current capability  
 • High reliability  
 • Low reverse leakage current  
 • Low thermal resistance

**MECHANICAL DATA**

Dimensions in mm



**MAXIMUM RATINGS AND CHARACTERISTICS**

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter	RB151	RB152	RB153	RB154	RB155	RB156	RB157	UNITS	
Maximum recurrent peak reverse voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
Maximum average forward Output current @ $T_A=55^\circ C$	$I_{F(AV)}$	1.5						A	
Peak forward surge current 8.3ms single half-sine-wave superimposed on rated load	$I_{FSM}$	50.0						A	
Maximum instantaneous forward voltage @ 1.5 A	$V_F$	1.0						V	
Maximum reverse current @ $T_A=25^\circ C$ at rated DC blocking voltage @ $T_A=100^\circ C$	$I_R$	10.0 0.5						A mA	
Operating junction temperature range	$T_J$	- 55 --- + 125						°C	
Storage temperature range	$T_{STG}$	- 55 --- + 150						°C	

