

BA201 Series

(200V to 600V / 1A)

FAST RECOVERY DIODE

Features

- Ultra small package, possible for 5mm pitch automatic insertion.
- High speed switching.
- High reliability.

Applications

- High speed switching.

Maximum Ratings and Characteristics

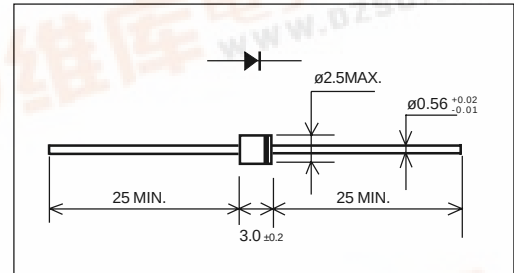
- Absolute Maximum Ratings

Item	Symbol	Conditions	Rating			Unit
			- 2	- 4	- 6	
Repetitive peak reverse voltage	V_{RRM}		200	400	600	V
Repetitive peak surge reverse voltage	V_{RSM}		200	400	600	V
Average output current	I_o	Resistive load $T_I=138^{\circ}\text{C}$	1.0			A
Suege current	I_{FSM}	Sine wave 10ms	25			A
Operating junction temperature	T_j		-40 to +150			$^{\circ}\text{C}$
Storage temperature	T_{stg}		-40 to +150			$^{\circ}\text{C}$

- Electrical Characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

Item	Symbol	Conditions	Max.	Unit
Forward voltage drop	V_F	$I_F=1.0\text{A}$	1.3	V
Reverse current	I_R	$V_R=V_{RRM}$	5.0	μA
Reverse recovery time	t_{rr}	$I_F=0.1\text{A}, I_R=0.1\text{A}, I_{rec}=0.01\text{A}$	0.4	μs

Outline Drawings, mm



Marking

