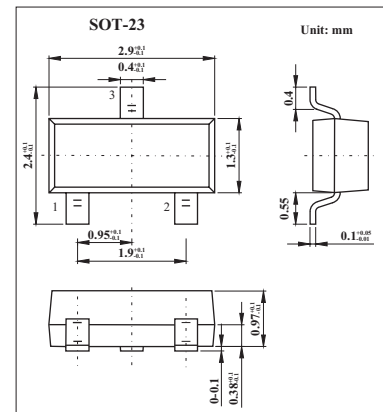


## Schottky Barrier Diodes

## MA3XD11

## ■ Features

- $I_{F(AV)} = 1$  A rectification is possible
- Low forward voltage  $V_F$
- Mini type 3-pin package

■ Absolute Maximum Ratings  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	$V_R$	20	V
Repetitive peak reverse-voltage	$I_{RRM}$	25	V
Average forward current (Note 1)	$I_{F(AV)}$	1	A
Non-repetitive peak forward-surge-current (Note 2)	$I_{FSM}$	3	A
Junction temperature	$T_j$	+125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to+ 150	$^\circ\text{C}$

## Note

1. Mounted on a alumina PC board
2. The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

■ Electrical Characteristics  $T_a = 25^\circ\text{C}$ 

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	$I_R$	$V_R = 20\text{V}$			200	$\mu\text{A}$
Forward voltage (DC)	$V_F$	$I_F = 1\text{A}$			0.45	V
Terminal capacitance	$C_t$	$V_R = 0\text{V}; f = 1\text{MHz}$		180		pF

## Note

1. This product is sensitive to electric shock (static electricity, etc.) on the charge of a human body  
Due attention must be paid and the leakage of current from the operating equipment.
2. Rated input/output frequency: 400 MHz

## ■ Marking

Marking	M6K
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