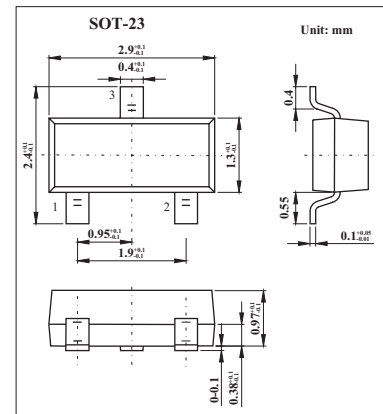


## Schottky Barrier Diodes

## MA3XD17



### ■ Features

- Mini type 3-pin package
- High breakdown voltage  $V_R = 100$  V

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

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	$V_R$	100	V
Peak reverse voltage	$I_{RRM}$	100	V
Non-repetitive peak forward surge current (Note 1)	$I_{FSM}$	1.5	A
Average forward current	$I_{F(AV)}$	300	mA
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to+ 150	$^\circ\text{C}$

Note

1 : 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)	$I_R$	$V_R = 100$ V			200	$\mu\text{A}$
Forward voltage (DC)	$V_F$	$I_F = 300$ mA		0.5	0.58	V
Terminal capacitance	$C_t$	$V_R = 0$ V, $f = 1$ MHz		100		pF
Reverse recovery time*	$t_{rr}$	$I_F = I_R = 100$ mA, $I_{rr} = 0.1I_R$ , $R_L = 100 \Omega$		7		ns

Note

1. This product is sensitive to electric shock (static electricity, etc.).Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
2. Rated input/output frequency: 250 MHz
- 3.\* :  $t_{rr}$  measuring circuit

### ■ Marking

Marking	M5K
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