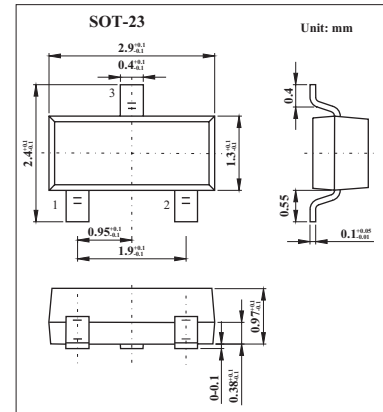


Schottky Barrier Diodes

MA3XD17



■ Features

- Mini type 3-pin package
- High breakdown voltage $V_R = 100\text{ V}$

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