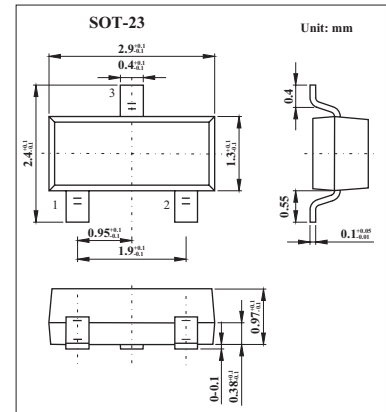


Schottky Barrier Diodes

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	μA
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