

## Schottky Barrier Diodes

## MA3XD15

## ■ Features

- Mini type 3-pin package
- Low  $V_F$  or Low  $I_R$  type:  $V_F < 0.45\text{ V}$ ,  $I_R < 100\ \mu\text{A}$
- Allowing to rectify under ( $I_{F(AV)} = 1\text{ A}$ ) condition

■ 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
Non-repetitive peak forward surge current (Note 1)	$I_{FSM}$	3	A
Average forward current (Note 2)	$I_{F(AV)}$	1.0	A
Junction temperature	$T_j$	+125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to+ 125	$^\circ\text{C}$

Note

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

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	$I_R$	$V_R = 20\text{ V}$			100	$\mu\text{A}$
Forward voltage (DC)	$V_F$	$I_F = 1.0\text{ mA}$			0.45	V
Terminal capacitance	$C_t$	$V_R = 0\text{ V}$ , $f = 1\text{ MHz}$		120		pF

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.

## ■ Marking

Marking	M5N
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