# **MA2Z077** (MA77)

### Silicon epitaxial planar type

#### For band switching

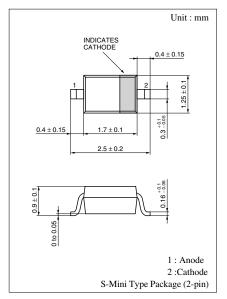
#### ■ Features

- Low forward dynamic resistance r<sub>f</sub>
- Less voltage dependence of diode capacitance C<sub>D</sub>
- S-mini type package, allowing downsizing of equipment and automatic insertion through the taping package

#### ■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	$V_R$	35	V
Forward current (DC)	$I_F$	100	mA
Operating ambient temperature*	$T_{opr}$	-25 to +85	°C
Storage temperature	$T_{stg}$	-55 to +150	°C

Note) \*: Maximum ambient temperature during operation



Marking Symbol: 4B

### ■ Electrical Characteristics $T_a = 25$ °C

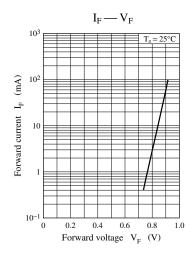
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	$I_R$	$V_R = 33 \text{ V}$		0.01	100	nA
Forward voltage (DC)	$V_{\mathrm{F}}$	$I_F = 100 \text{ mA}$		0.92	1	V
Diode capacitance	$C_D$	$V_R = 6 \text{ V}, f = 1 \text{ MHz}$		0.9	1.2	pF
Forward dynamic resistance*	$r_{\mathrm{f}}$	$I_F = 2 \text{ mA}, f = 100 \text{ MHz}$		0.65	0.85	Ω

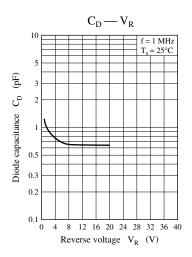
Note) 1. Rated input/output frequency: 100 MHz

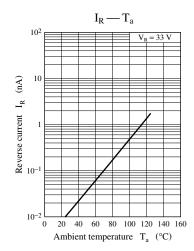
Note) The part number in the parenthesis shows conventional part number.

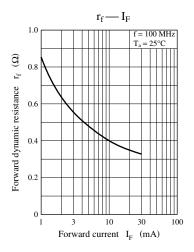
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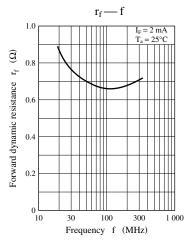
<sup>2. \*:</sup> r<sub>f</sub> measuring instrument: YHP MODEL 4191A RF IMPEDANCE ANALYZER











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