MA27077G

Silicon epitaxial planar type

For band switching

Features

- \bullet Low forward dynamic resistance $r_{\rm f}$
- Less voltage dependence of diode capacitance C_D
- SSS-Mini type package, allowing downsizing of equipment and automatic insertion through the taping package

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

Parameter	Symbol	Rating	Unit	
Reverse voltage	V _R	35	V	
Forward current	I _F	100	mA	
Operating ambient temperature *	T _{opr}	-25 to +85	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

Note) *: Maximum ambient temperature during operation.

- Package
- Code
- SSSMini2-F3 • Pin Name
- 1: Anode
- 2: Cathode

Marking Symbol: C

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$		ectrical	Characteristics	$T_a = 25^{\circ}C \pm 3^{\circ}C$
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Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 100 \text{ mA}$		0.92	1.00	V
Reverse current	I _R	V _R = 33 V		0.01	100.00	nA
Diode capacitance	CD	$V_R = 6 V, f = 1 MHz$		0.9	1.2	pF
Forward dynamic resistance *	r _f	$I_F = 2 \text{ mA}, \text{ f} = 100 \text{ MHz}$		0.65	0.85	Ω

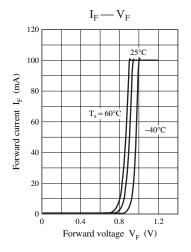
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

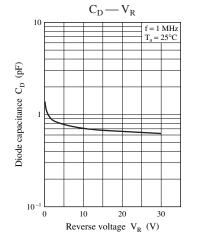
2. Absolute frequency of input and output is 100 MHz.

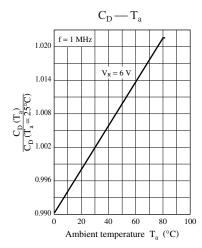
3. *: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER

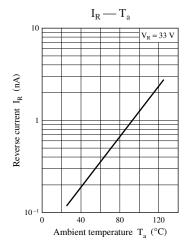
MA27077G







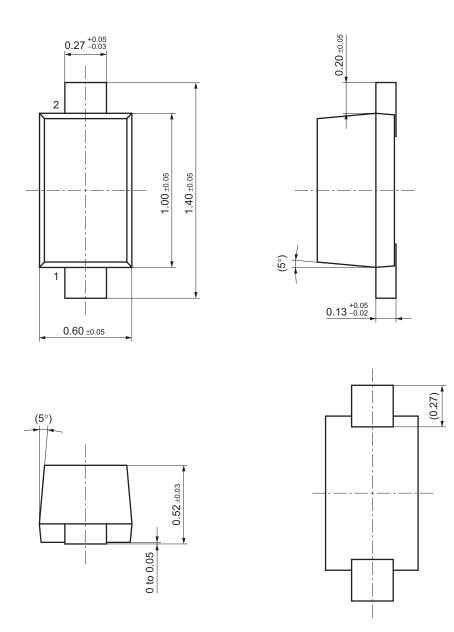




Panasonic

SSSMini2-F3

Unit: mm



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