

# MA27077G0L Datasheet

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DiGi Electronics Part Number	MA27077G0L-DG
Manufacturer	<a href="#">Panasonic Electronic Components</a>
Manufacturer Product Number	MA27077G0L
Description	DIODE GP 35V 100MA SSSMINI2-F3
Detailed Description	Diode 35 V 100mA Surface Mount SSSMini2-F3

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## Purchase and inquiry

Manufacturer Product Number:

MA27077G0L

Series:

-

Technology:

Standard

Current - Average Rectified (Io):

100mA

Speed:

Small Signal  $\leq$  200mA (Io), Any Speed

Capacitance @ Vr, F:

1.2pF @ 6V, 1MHz

Package / Case:

2-SMD, Flat Lead

Operating Temperature - Junction:

-25°C ~ 85°C

Manufacturer:

Panasonic Electronic Components

Product Status:

Obsolete

Voltage - DC Reverse (Vr) (Max):

35 V

Voltage - Forward (Vf) (Max) @ If:

1 V @ 100 mA

Current - Reverse Leakage @ Vr:

100 nA @ 33 V

Mounting Type:

Surface Mount

Supplier Device Package:

SSSMINI2-F3

Base Product Number:

MA27077

## Environmental & Export classification

Moisture Sensitivity Level (MSL):

1 (Unlimited)

HTSUS:

8541.10.0070

ECCN:

EAR99

# MA27077G

## Silicon epitaxial planar type

For band switching

### ■ Features

- Low forward dynamic resistance  $r_f$
- Less voltage dependence of diode capacitance  $C_D$
- SSS-Mini type package, allowing downsizing of equipment and automatic insertion through the taping package

### ■ Package

- Code  
SSSMINI2-F3
- Pin Name  
1: Anode  
2: Cathode

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

Parameter	Symbol	Rating	Unit
Reverse voltage	$V_R$	35	V
Forward current	$I_F$	100	mA
Operating ambient temperature *	$T_{opr}$	-25 to +85	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +125	$^\circ\text{C}$

### ■ Marking Symbol: C

Note) \*: Maximum ambient temperature during operation.

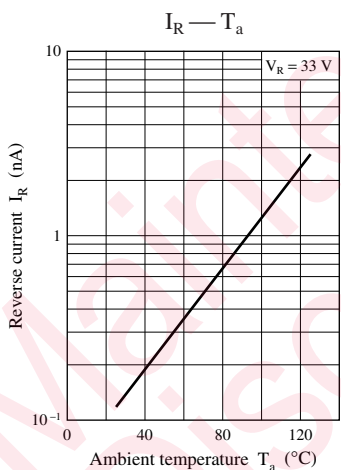
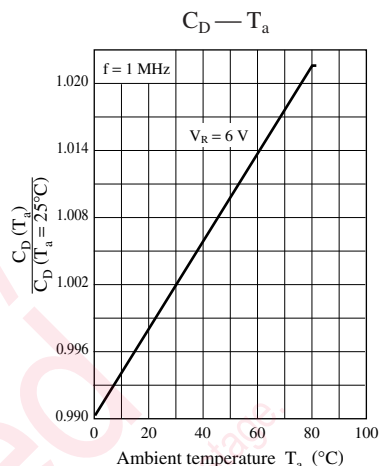
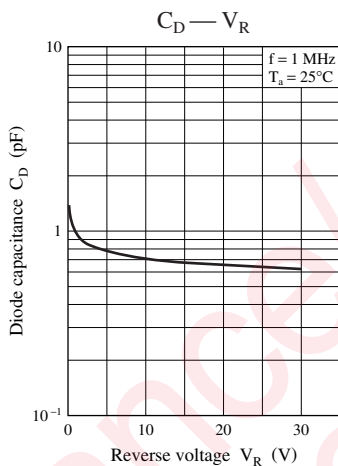
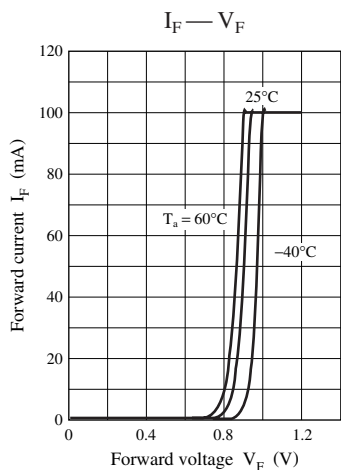
### ■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 100 \text{ mA}$		0.92	1.00	V
Reverse current	$I_R$	$V_R = 33 \text{ V}$		0.01	100.00	nA
Diode capacitance	$C_D$	$V_R = 6 \text{ V}, f = 1 \text{ MHz}$		0.9	1.2	pF
Forward dynamic resistance *	$r_f$	$I_F = 2 \text{ mA}, f = 100 \text{ MHz}$		0.65	0.85	$\Omega$

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.

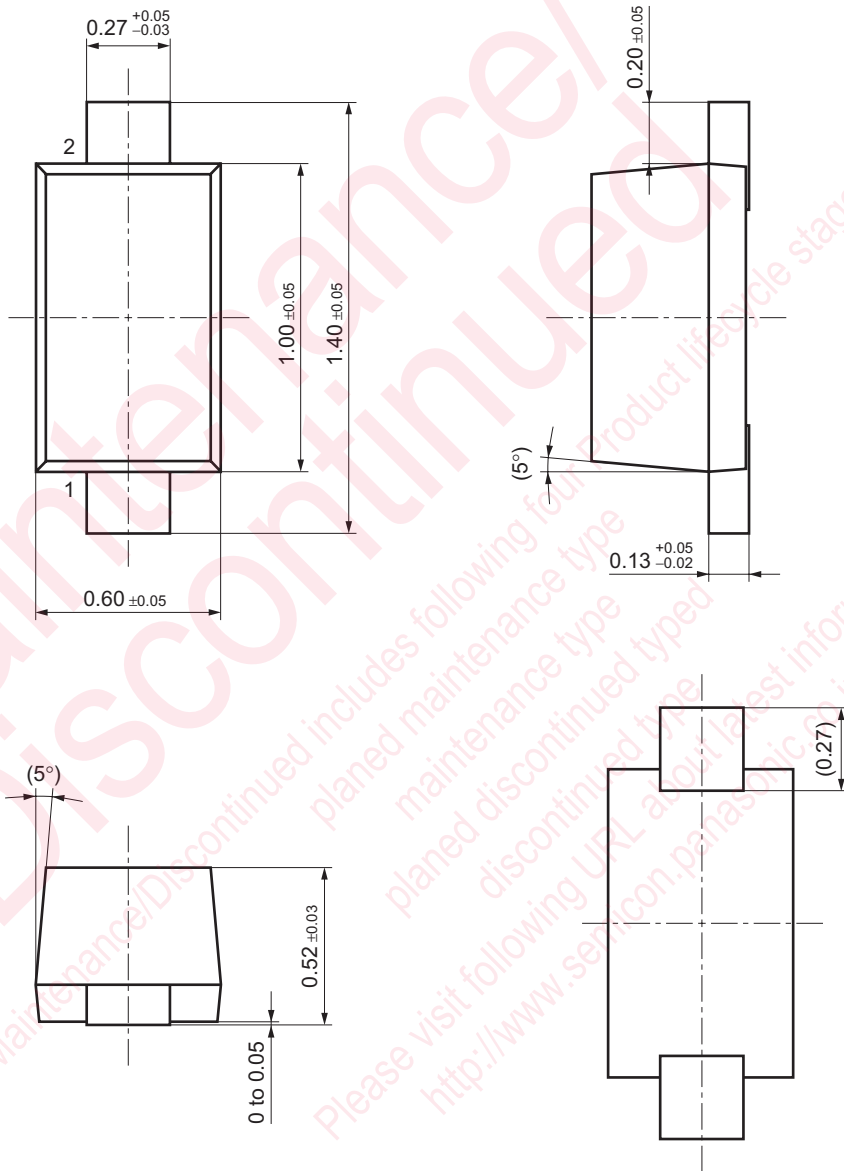
3. \*: Measuring instrument; YHP MODEL 4191A RF IMPEDANCE ANALYZER



Maintenance/Discontinued includes following four Product lifecycle state  
 planned maintenance type  
 maintenance type  
 planned discontinued type  
 discontinued type  
 Please visit following URL about latest information.  
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SSSMini2-F3

Unit: mm



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