# **MA2J1140G**

## Silicon epitaxial planar type

### For small power rectification

#### ■ Features

- S-mini type package, allowing high-density mounting
- High reverse voltage V<sub>R</sub>

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

Parameter	Symbol	Rating	Unit
Reverse voltage	$V_R$	150	V
Maximum peak reverse voltage	$V_{RM}$	150	V
Output current	$I_{O}$	200	mA
Repetitive peak forward current	$I_{FRM}$	600	mA
Non-repetitive peak forward surge current *	$I_{FSM}$	1	A
Junction temperature	T <sub>j</sub>	150	°C
Storage temperature	$T_{stg}$	-55 to +150	°C

Note) \*: t = 1 s

#### Package

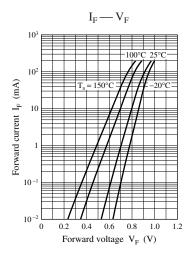
- Code SMini2-F3
- Pin Name
  - 1: Anode
  - 2: Cathode
- Marking Symbol: 1E

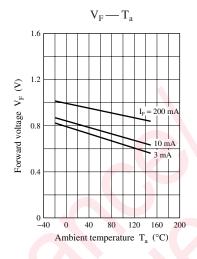
## ■ Electrical Characteristics $T_a = 25$ °C ± 3°C

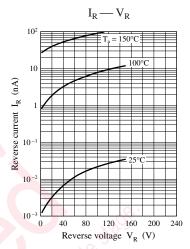
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_F$	$I_F = 200 \text{ mA}$	100	0,	1.2	V
Reverse current	$I_R$	$V_R = 150 \text{ V}$		0.	200	nA
Terminal capacitance	$C_{t}$	$V_R = 0 V, f = 1 MHz$	200	4.5		pF

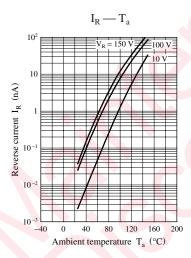
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

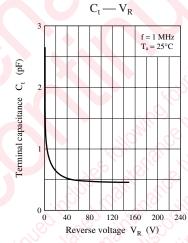
2. Absolute frequency of input and output is 3 MHz.

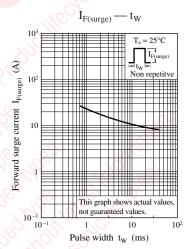






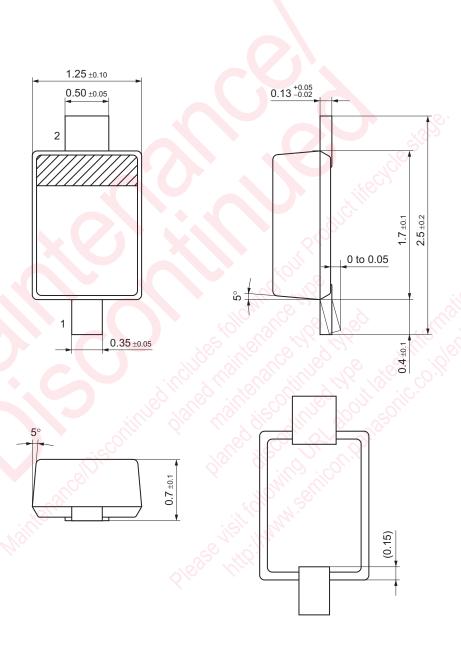






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SMini2-F3 Unit: mm



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