Panasonic

Package

Pin Name

SMini2-F5-B

1: Cathode 2: Anode

Marking Symbol: 5A

• Code

DA2JF81

Silicon epitaxial planar type

For high speed switching circuits

Features

- Small reverse current I_R
- \bullet High repetitive peak reverse voltage V_{RRM}
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

Packaging

Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

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

Parameter	Symbol	Rating	Unit	
Repetitive peak reverse voltage	V _{RRM}	800	V	
Non-repetitive peak reverse surge voltage	V _{RSM}	800	V	
Forward current	I _F	200	mA	
Non-repetitive peak forward surge current *1, 2	I _{FSM}	1	А	
Junction temperature	Tj	-40 to +150	°C	
Storage temperature	T _{stg}	-40 to +150	°C	

Note) *1: Mounted on an alumina PC board

*2: 50 Hz sine wave 1 cycle (Non-repetitive peak current)

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

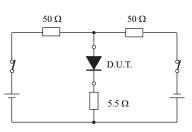
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_{\rm F} = 200 {\rm mA}$			2.5	V
Reverse current	I _{RRM1}	$V_{\text{RRM}} = 400 \text{ V}$			1	μΑ
	I _{RRM2}	$V_{\rm RRM} = 800 \rm V$			10	
Terminal capacitance	Ct	$V_{\rm R} = 0 \text{ V}, \text{ f} = 1 \text{ MHz}$		0.6		pF
Reverse recovery time *	t _{rr}	$I_{\rm F} = 100 \text{ mA}, I_{\rm R} = 200 \text{ mA},$ $I_{\rm rr} = 0.25 \times I_{\rm R}$		10	45	ns

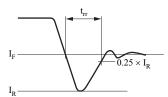
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. 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.

3. *: t_{rr} measurement circuit

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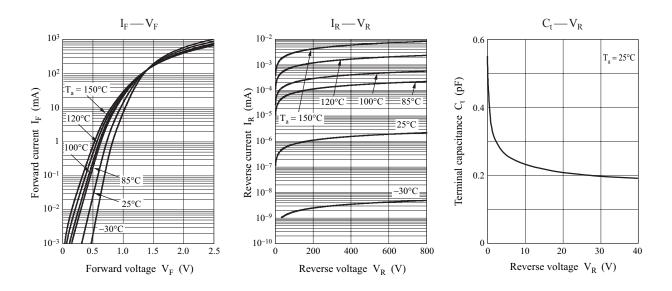




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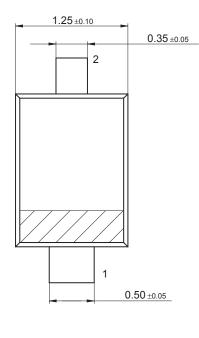
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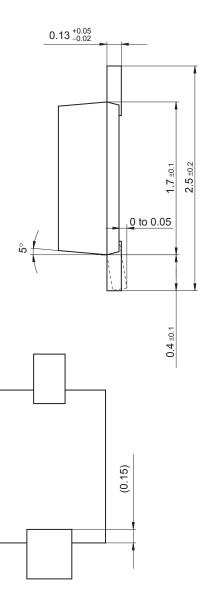
SMini2-F5-B

Unit: mm



 0.7 ± 0.1

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