DA2J101

Silicon epitaxial planar type

For high speed switching circuits

■ Features

- Small reverse current I_R
- ullet Short reverse recovery time t_{rr}
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL: Level 1 compliant)

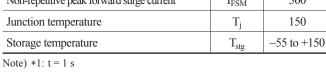
■ Marking Symbol: A1

■ Packaging

DA2J10100L Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Reverse voltage	V _R	80	V	
Maximum peak reverse voltage	V _{RM}	80	V	
Forward current	I_{F}	100	mA	
Peak forward current	I_{FM}	225	mA	
Non-repetitive peak forward surge current *1	I _{FSM}	500	mA	
Junction temperature	T _j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	



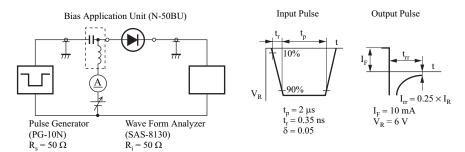
Unit: mm 1.25 0.13 0.35 0.5 0.7 1: Cathode 2: Anode Panasonic SMini2-F5-B **JEITA** SC-90A Code

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

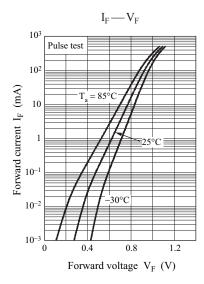
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 100 \text{ mA}$		0.92	1.20	V
Reverse voltage	V _R	$I_R = 100 \mu A$	80			V
Reverse current	I_R	$V_R = 80 \text{ V}$			100	nA
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$			1.2	pF
Reverse recovery time *1	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{rr} = 0.25 \times I_R$			3	ns

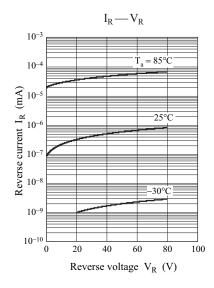
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

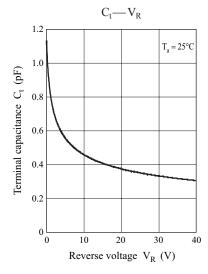
- 2. Absolute frequency of input and output is 100 MHz
- 3. *1: t_{rr} measurement circuit



DA2J101 Panasonic



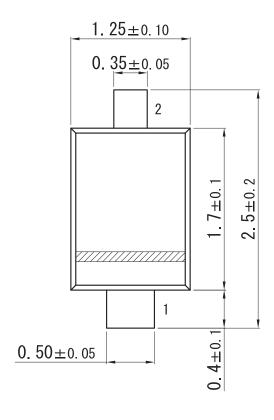


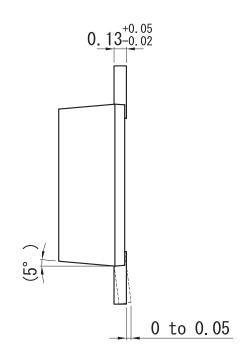


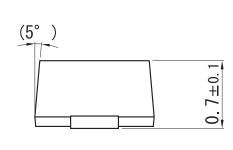
Ver. EED 2

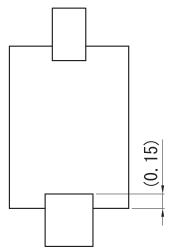
SMini2-F5-B

Unit: mm

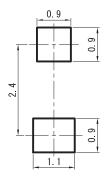








■ Land Pattern (Reference) (Unit: mm)



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