DA2JF65

Silicon epitaxial planar type

For high speed switching circuits

■ Features

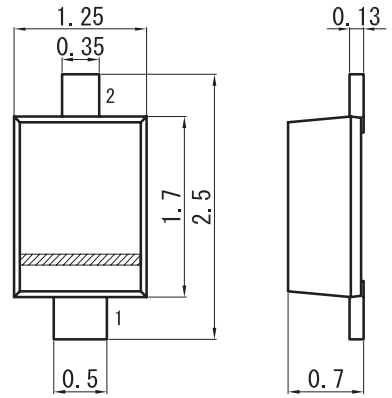
- Small reverse current I_R
- Short reverse recovery time t_{rr}
- Halogen-free / RoHS compliant
  (EU RoHS / UL-94 V-0 / MSL: Level 1 compliant)

■ Marking Symbol: 7A

■ Packaging

DA2JF6500L Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

Unit: mm



1: Cathode
2: Anode

Panasonic	SMini2-F5-B
JEITA	SC-90A
Code	—

■ Absolute Maximum Ratings $T_a = 25°C$

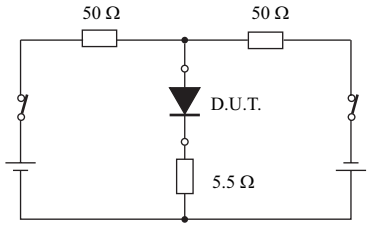
Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	600	V
Non-repetitive peak reverse surge voltage	V_{RSM}	600	V
Forward current *1	I_F	200	mA
Non-repetitive peak forward surge current *2	I_{FSM}	1	A
Junction temperature	T_j	–40 to +150	°C
Storage temperature	T_{stg}	–40 to +150	°C

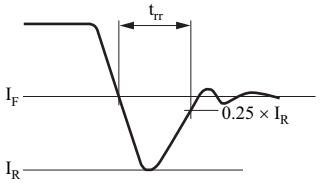
Note) ∗1: Mounted on an alumina PC board
(Board:50 mm × 50 mm, Soldering land: 2 mm × 2 mm)
∗2: 50 Hz sine wave 1 cycle (Non-repetitive peak current)

■ Electrical Characteristics $T_a = 25°C \pm 3°C$

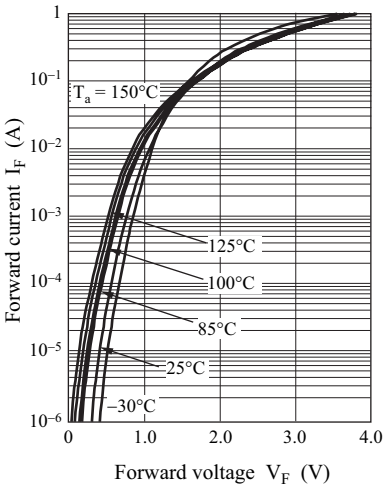
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	I_F = 200 mA			3	V
Reverse current	I_{RRM}	V_{RRM} = 600 V			10	μA
Terminal capacitance	C_t	V_R = 0 V, f = 1 MHz		0.7		pF
Reverse recovery time *1	t_{rr}	I_F = 100 mA, I_R = 200 mA, I_{rr} = 0.25 × I_R		5	15	ns

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. ∗1: t_{rr} measurement circuit

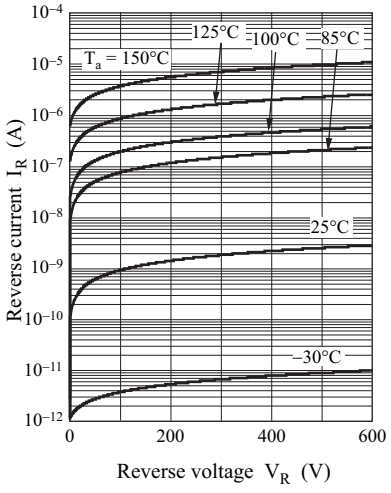




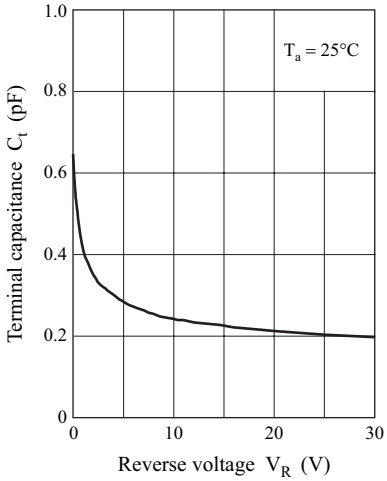
I_F — V_F



I_R — V_R

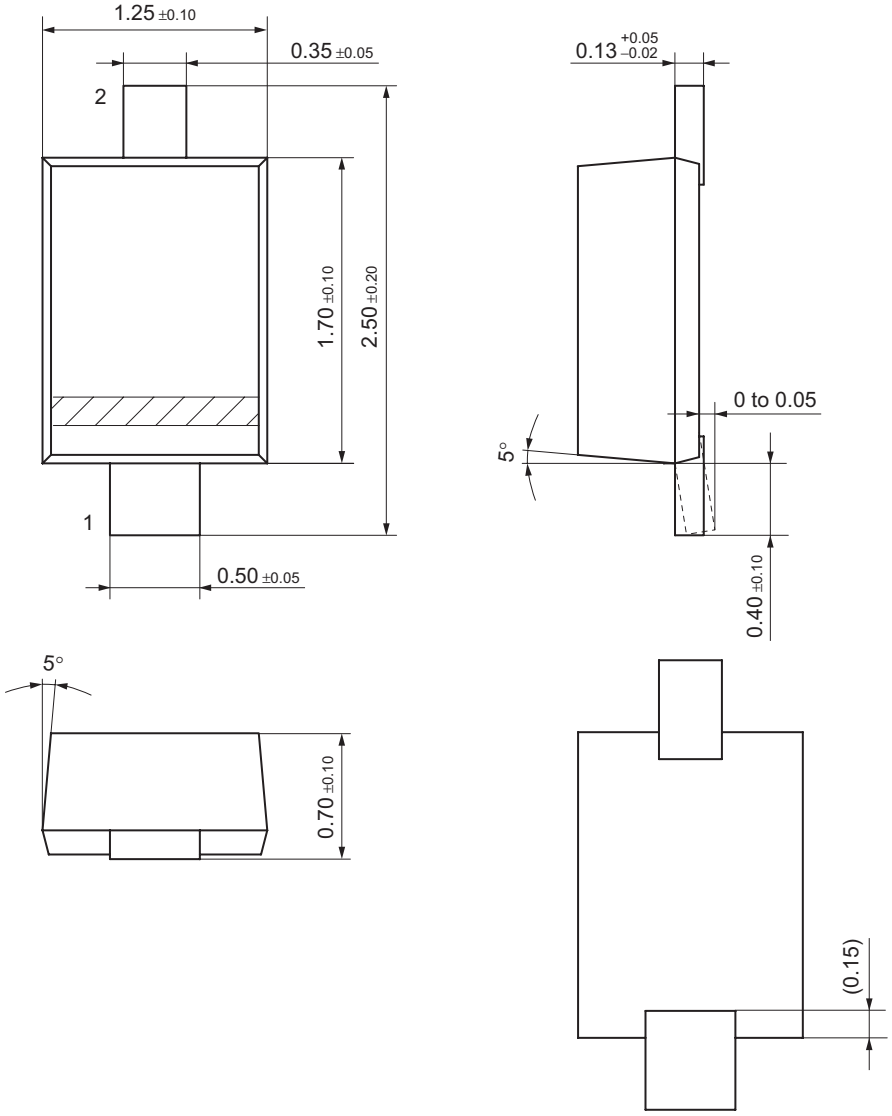


C_t — V_R

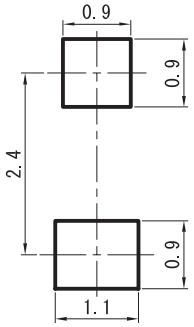


SMini2-F5-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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