Panasonic

DA24F4100L

Silicon epitaxial planar type

For high speed switching circuits

■ Features

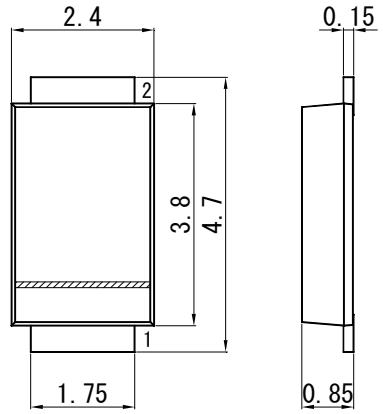
- Small reverse current IR
- Short reverse recovery time trr
- Halogen-free / RoHS compliant
  (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 4Q

■ Packaging

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

Unit: mm



1. Cathode
2. Anode

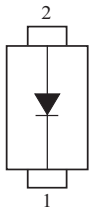
Panasonic	TMiniP2-F2-B
JEITA	SC-110A
Code	—

■ Absolute Maximum Ratings Ta = 25 °C

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	VRRM	400	V
Non-repetitive peak reverse surge voltage	VRSM	400	V
Forward current	IF	1.0	A
Non-repetitive peak forward surge current *1	IFSM	20	A
Junction temperature	Tj	-40 to +150	°C
Operating ambient temperature	Topr	-40 to +85	°C
Storage temperature	Tstg	-40 to +150	°C

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

Internal Connection



Established : 2010-03-18
Revised : 2013-05-24

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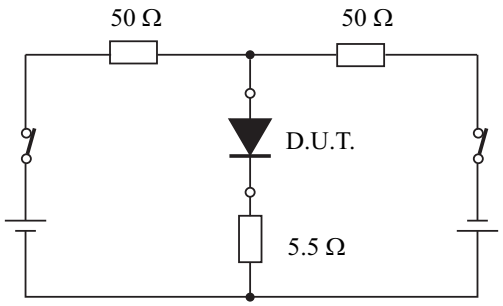
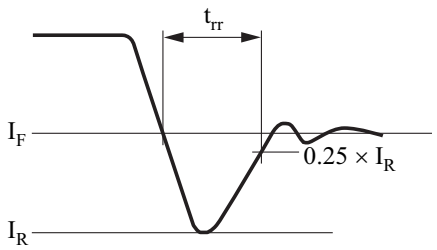
Fast Recovery Diode
DA24F4100L

■ Electrical Characteristics Ta = 25 °C ± 3 °C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	VF	IF = 1A		1.0	1.2	V
Reverse current	IRRM	VRRM = 400 V			10	μA
Terminal capacitance	Ct	VR = 0 V, f = 1 MHz		50		pF
Reverse recovery time *1	trr	IF = 0.5 A , IR = 1.0 A Irr = 0.25 × IR		15	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. *1: trr test circuit





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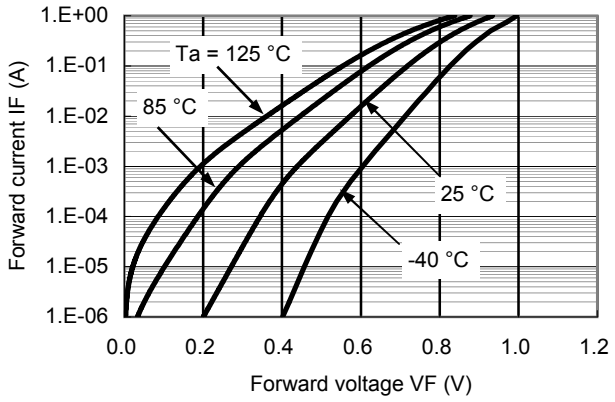
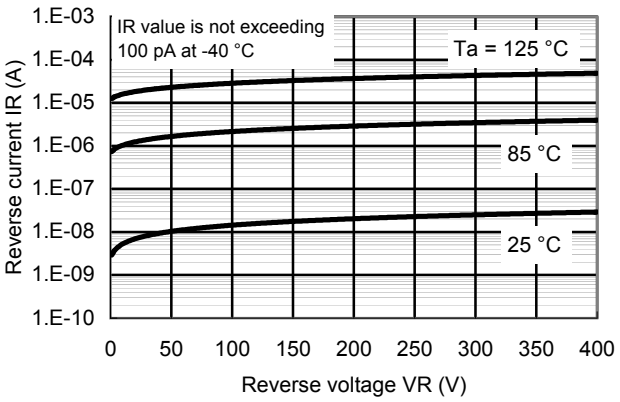
Technical Data (reference)

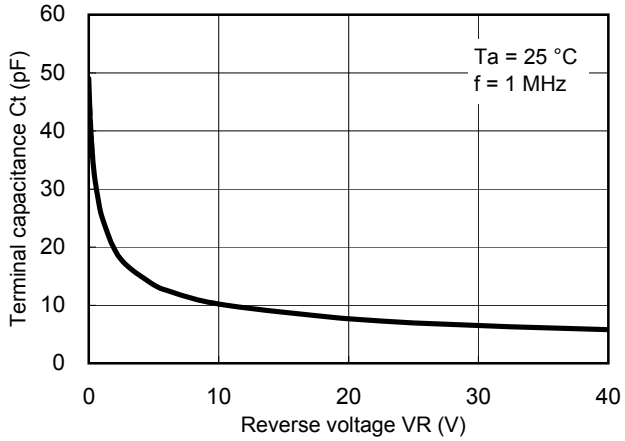
IF - VF



IR - VR



Ct - VR



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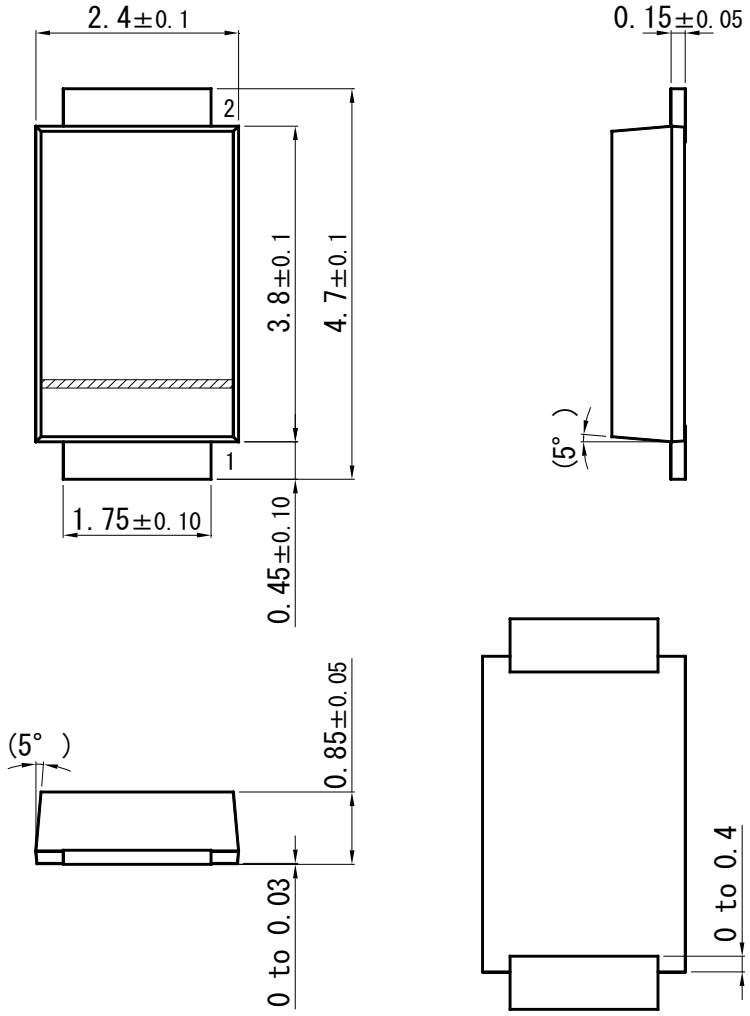
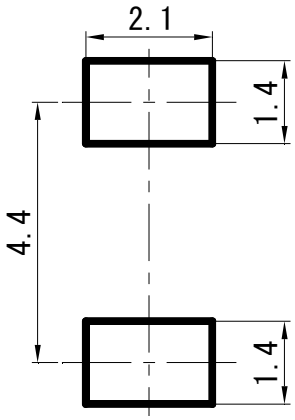
TMiniP2-F2-B

Unit: mm



■ Land Pattern (Reference) (Unit: mm)



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