# DA24F41

### Silicon epitaxial planar type

#### For high speed switching circuits

#### Features

- Short reverse recovery time t<sub>rr</sub>
- 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 <sub>RRM</sub>	400	V	
Non-repetitive peak reverse surge voltage	V <sub>RSM</sub> 400		V	
Forward current	I <sub>F</sub>	1.0	А	
Non-repetitive peak forward surge current *	I <sub>FSM</sub>	20	А	
Junction temperature	Tj	-40 to +150	°C	
Storage temperature	T <sub>stg</sub>	-40 to +150	°C	

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

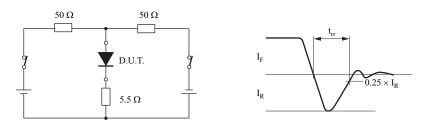
#### Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 1 A$		1.0	1.2	V
Reverse current	I <sub>RRM</sub>	$V_{RRM} = 400 V$			10	μΑ
Terminal capacitance	Ct	$V_{R} = 0 V, f = 1 MHz$		50		pF
Reverse recovery time *	t <sub>rr</sub>	$I_{\rm F} = 0.5 \text{A}, I_{\rm R} = 1.0 \text{A}, I_{\rm rr} = 0.25 \text{A}$		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. \*: t<sub>rr</sub> measurement circuit

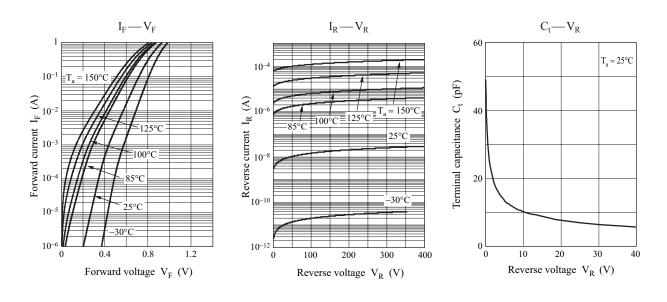


#### Package

- Code
- TMiniP2-F2-B
- Pin Name
  - 1: Cathode
  - 2: Anode
- Marking Symbol: 4Q

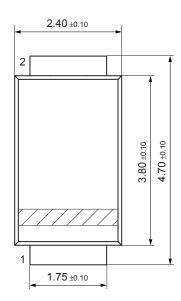
#### DA24F41

### **Panasonic**

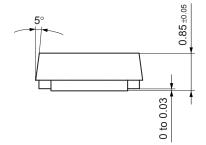


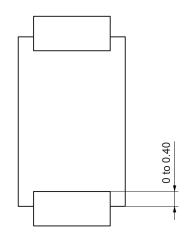
### TMiniP2-F2-B

Unit: mm









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