Package

TMiniP2-F2-B • Pin Name

> 1: Cathode 2: Anode

Marking Symbol: A5

• Code

DB24307

Silicon epitaxial planar type

For rectification

Features

- Low forward voltage V_F
- High forward current (Average) rating : $I_{F(AV)} = 3 A$
- 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	
Reverse voltage	V _R	30	V	
Maximum peak reverse voltage	V _{RM}	30	V	
Forward current (Average)	I _{F(AV)}	3.0	А	
Non-repetitive peak forward surge current *	I _{FSM}	50	А	
Junction temperature	Tj	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

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

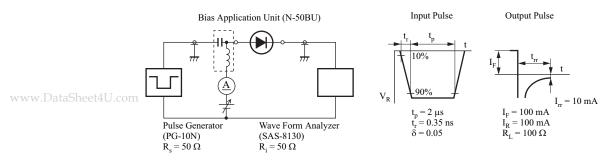
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_{\rm F} = 3.0 {\rm A}$			0.37	V
Reverse current	I _R	$V_R = 30 V$			2.0	mA
Terminal capacitance	Ct	$V_{R} = 10 V, f = 1 MHz$		111		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}, I_{rr} = 10 \text{ mA},$ $R_L = 100 \Omega$		35		ns

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

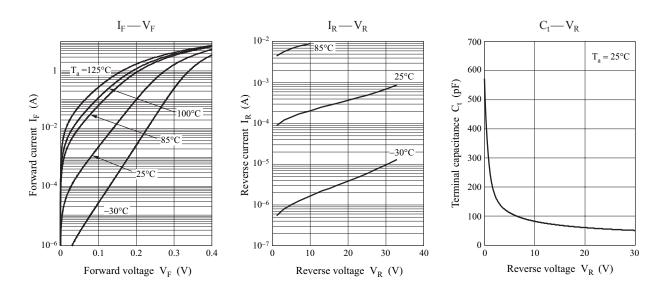
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. *: t_{rr} measurement circuit



DB24307

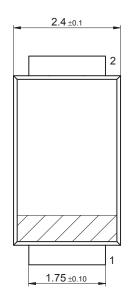
Panasonic



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TMiniP2-F2-B

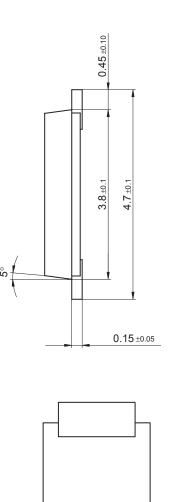
Unit: mm



5°

 0.85 ± 0.05

0 to 0.03



0 to 0.4

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