DB22306

Silicon epitaxial planar type

For rectification

Features

- Low forward voltage V_F
- 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	
Repetitive peak reverse voltage	V _{RRM}	30	V	
Forward current (Average) *1	I _{F(AV)}	2	А	
Non-repetitive peak forward surge current *2	I _{FSM} 30		А	
Junction temperature	Tj	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

Package

- Code
- Mini2-F4-B
- Pin Name
- 1: Cathode
- 2: Anode
- Marking Symbol: A4

Note) *1: Lead temperature: $T_1 = 80^{\circ}C$, DC wave on.

*2: 50 Hz sine wave 1 cycle (Non-repetitive peak current)

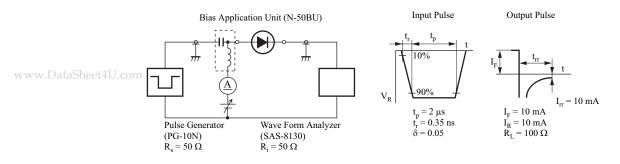
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _{F1}	$I_F = 1.0 A$			0.4	v
	V _{F2}	$I_F = 2.0 A$			0.45	
Reverse current	I _R	$V_R = 30 V$			500	μΑ
Terminal capacitance	Ct	$V_{R} = 10 V, f = 1 MHz$		43		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}, I_{rr} = 10 \text{ mA},$ $R_L = 100 \Omega$		13		ns

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

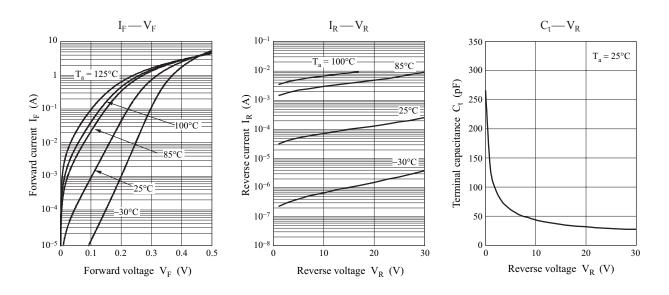
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. *: t_{rr} measurement circuit



DB22306

Panasonic



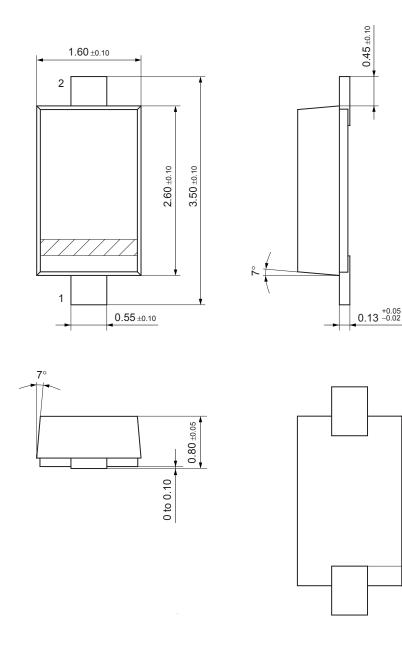
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Panasonic

Mini2-F4-B

Unit: mm

0 to 0.30



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