DB3X206K

Silicon epitaxial planar type

For high frequency amplification

Features

- Small reverse current I_R
- 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)

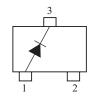
Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit	
Reverse voltage	V _R	20	V	
Repetitive peak reverse voltage	V _{RRM}	20	V	
Forward current (Average) ^{*1}	I _{F(AV)} 1		А	
Non-repetitive peak forward surge current *2	I _{FSM}	3	А	
Junction temperature	T _j 125		°C	
Storage temperature	T _{stg}	-55 to +125	°C	



- Code
- Mini3-G3-B
- Pin Name
- 1: Anode
- 2: N.C. 3: Cathode
- -----
- Marking Symbol: 3E

Internal Connection



Note) *1: Mounted on an alumina PC board

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

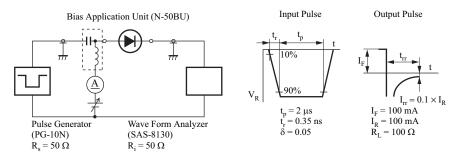
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 1.0 A$			0.45	V
Reverse current	I _R	$V_R = 20 V$			100	μΑ
Terminal capacitance	Ct	$V_R = 10 V, f = 1 MHz$		20		pF
Reverse recovery time *		$\begin{split} I_F = I_R = 100 \text{ mA}, \ I_{rr} = 0.1 \times I_R \ , \\ R_L = 100 \ \Omega \end{split}$		6		ns

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

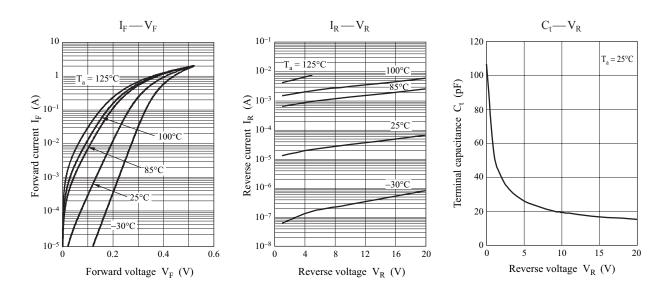
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. *: t_{rr} measurement circuit



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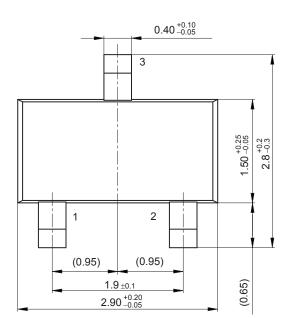
Panasonic

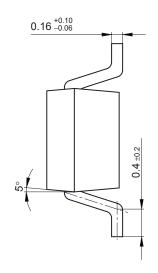


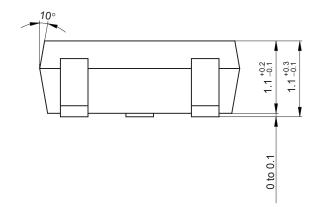
Panasonic

Mini3-G3-B

Unit: mm







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