DB26311

Silicon epitaxial planar type

For high speed switching circuits DB2S311 in ML2 type package

Features

- Short reverse recovery time t_{rr}
- Small reverse current I_R
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

Packaging

Embossed type (Thermo-compression sealing): 10000 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)	I _{F(AV)} 200		mA	
Peak forward current	I _{FM}	I _{FM} 300		
Non-repetitive peak forward surge current *	I _{FSM}	1	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 $T_a = 25^{\circ}C \pm 3^{\circ}C$

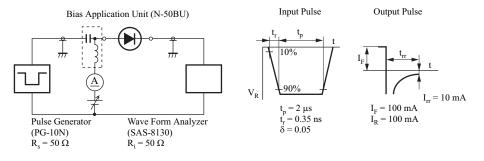
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_{\rm F} = 200 \mathrm{mA}$			0.56	V
Reverse current —	I _{R1}	$V_R = 10 V$			0.5	- μΑ
	I _{R2}	$V_R = 30 V$			5	
Terminal capacitance	Ct	$V_{R} = 10 V, f = 1 MHz$		6.0		pF
Reverse recovery time *	t _{rr}	$I_{\rm F} = I_{\rm R} = 100 \text{ mA}, I_{\rm rr} = 10 \text{ mA}$		2.2		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. Absolute frequency of input and output is 250 MHz

*: trr measurement circuit



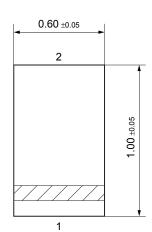
Publication date: November 2011

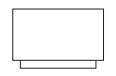
- Package
- Code
- ML2-N3-B
- Pin Name
 - 1: Cathode
 - 2: Anode
- Marking Symbol: B9

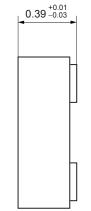
Panasonic

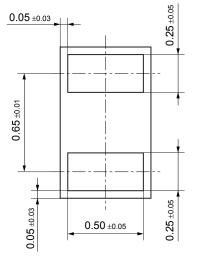
ML2-N3-B

Unit: mm









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