DB3S314F

Silicon epitaxial planar type

For high speed switching circuits DB3J314F in SSMini3 type package

Features

- \bullet Short reverse recovery time $t_{\rm rr}$
- Small reverse current I_R
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL: Level 1 compliant)

Marking Symbol: 5C

Basic Part Number

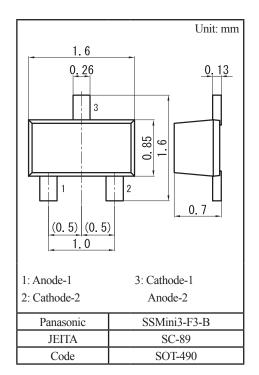
Dual DB2J314 (Series)

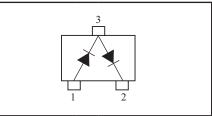
Packaging

DB3S314F0L Embossed type (Thermo-compression sealing): 3 000 pcs / reel (standard)

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

	<u> </u>			
Parameter	Symbol	Rating	Unit	
Reverse voltage	V _R	30	V	
Maximum peak reverse voltage		V _{RM}	30	V
Forward current	Single	т	30	mA
	Series	I _F	20	mA
Peak forward current	Single	т	150	mA
	Series	I _{FM}	110	mA
Junction temperature		Tj	T _j 125	
Operating ambient temperature		T _{opr}	-40 to +85	°C
Storage temperature		T _{stg}	T _{stg} -55 to +125	





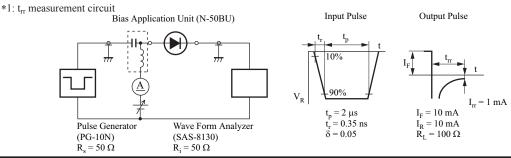
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

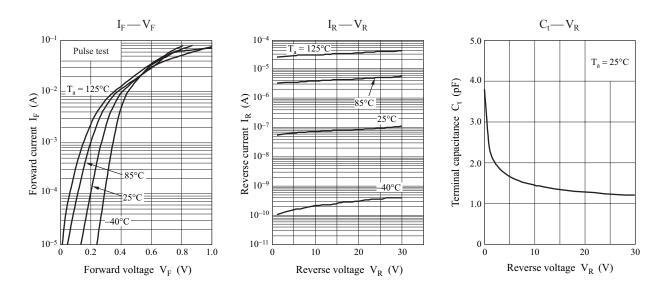
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _{F1}	$I_F = 1 \text{ mA}$			0.4	V
	V _{F2}	$I_F = 30 \text{ mA}$			1.0	
Reverse current	I _R	$V_R = 30 V$			300	nA
Terminal capacitance	Ct	$V_{R} = 10 V, f = 1 MHz$		1.5		pF
Reverse recovery time *1	t _{rr}	$I_F = I_R = 10 \text{ mA}, I_{rr} = 1 \text{ mA}, R_L = 100 \Omega$		1.0		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.

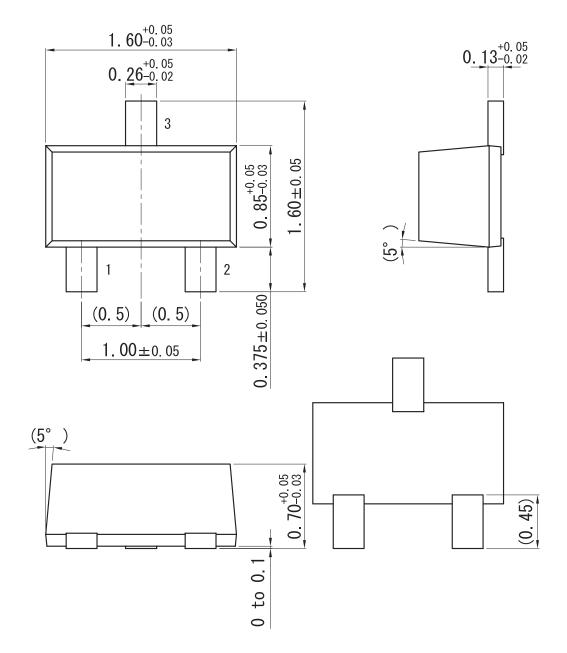
3. Absolute frequency of input and output is $2\ \mathrm{GHz}$



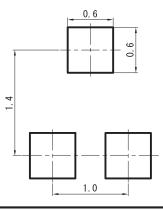


SSMini3-F3-B

Unit: mm



Land Pattern (Reference) (Unit: mm)



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