DB6J316K

Silicon epitaxial planar type

For small current rectification DB2S316 in SMini6 type package

■ Features

- Short reverse recovery time t_{rr}
- Low forward voltage V_F
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

■ Basic Part Number

Triple DB2S316 (Parallel)

Packaging

DB6J316K0R Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25$ °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)}	100	mA
Peak forward current	I_{FM}	300	mA
Non-repetitive peak forward surge current *	I_{FSM}	1	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

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

■ Package

Code

SMini6-F3-B

Package dimension clicks here. \rightarrow

• Pin Name

1: Anode-1	4: Cathode-3
2: Anode-2.	5: Cathode-2
3: Anode-3	6: Cathode-1

■ Marking Symbol: 5E

■ Internal Connection

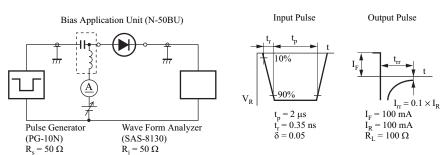


■ Electrical Characteristics $T_a = 25$ °C±3°C

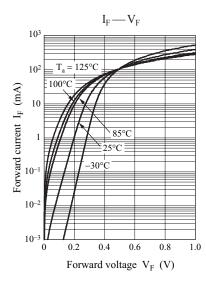
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 100 \text{ mA}$			0.55	V
Reverse current	I_R	$V_R = 30 \text{ V}$			15	μΑ
Terminal capacitance	C _t	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		2		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}, I_{rr} = 0.1 \times I_R,$ $R_L = 100 \Omega$		0.8		ns

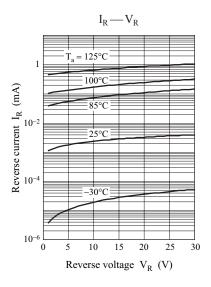
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

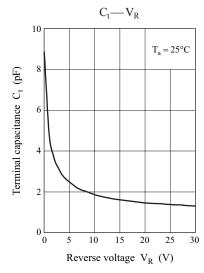
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Absolute frequency of input and output is 250 MHz
 - *: t_{rr} measurement circuit



DB6J316K Panasonic







2 Ver. BED

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