DB21320

Silicon epitaxial planar type

For rectification

DB22320 in SMini2 type package

Features

- \bullet Low forward voltage $V_{\rm F}$ and small reverse current $I_{\rm R}$
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

Packaging

DB2132000L 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	
Maximum peak reverse voltage	V _{RM}	30	V	
Forward current (Average) *1	I _{F(AV)}	1.5	А	
Non-repetitive peak forward surge current *2	I _{FSM}	20	А	
Junction temperature	Tj	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

Note) *1: Mounted on an alumina PC board (Board: 50 mm × 50 mm)

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

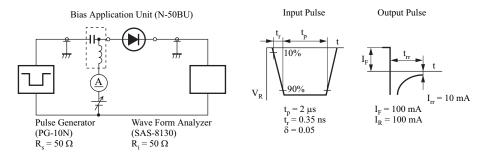
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage (DC)	V _{F1}	$I_F = 0.5 A$			0.38	v
	V _{F2}	$I_F = 1.0 A$			0.42	
	V _{F3}	$I_F = 1.5 A$			0.46	
Reverse current	I _R	$V_R = 30 V$			100	μΑ
Terminal capacitance	Ct	$V_{R} = 10 V, f = 1 MHz$		48		pF
Reverse recovery time *	t _{rr}	$I_{\rm F} = I_{\rm R} = 100 \text{ mA}, I_{\rm rr} = 10 \text{ mA}$		16		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. *: trr measurement circuit



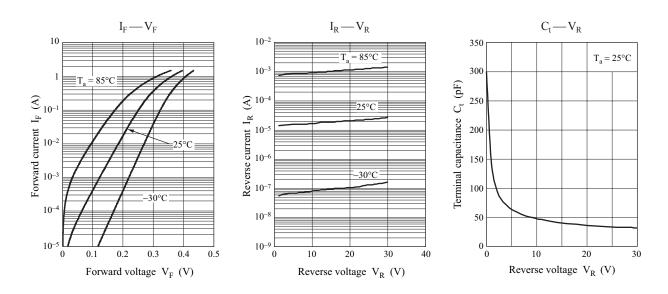
PackageCode

- SMini2-F4-B-B
- Pin Name
 - 1: Cathode
 - 2: Anode

Marking Symbol: B5

DB21320

Panasonic



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