Silicon epitaxial planar type

For high frequency rectification

Features

- Forward current (Average) $I_{F(AV)} = 500$ mA rectification is possible
- High-density mounting is possible

	<u> </u>		
Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	40	V
Maximum peak reverse voltage	V _{RM}	40	V
Forward current (Average)	I _{F(AV)}	500	mA
Non-repetitive peak forward surge current *	I _{FSM}	2	А
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

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



- Code SMini2-F3
- Pin Name 1: Anode
 - 2: Cathode
- Marking Symbol: 2L

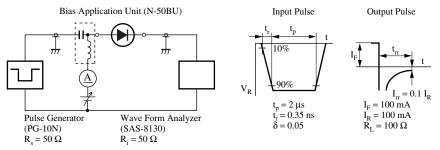
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

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

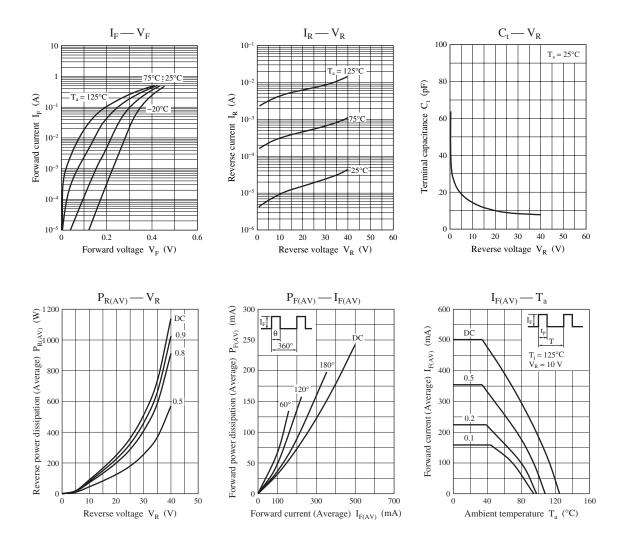
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 500 \text{ mA}$			0.55	V
Reverse current	I _R	V _R = 35 V			100	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		60		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		5		ns
		$I_{rr} = 0.1 I_R, R_L = 100 \Omega$				

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 400 MHz.
- 4.*: trr measurement circuit

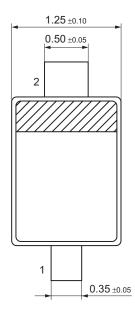


Panasonic

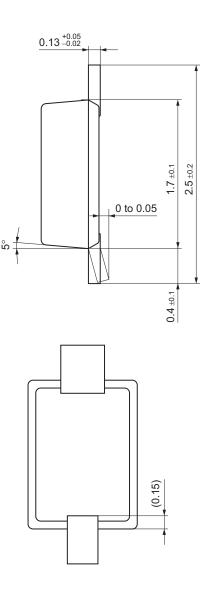


SMini2-F3

Unit: mm



5°



 0.7 ± 0.1

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