MA2SD25

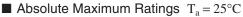
Silicon epitaxial planar type

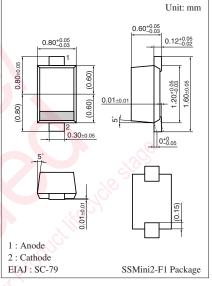
For super high speed switching

Features

• Forward current (Average) $I_{F(AV)} = 200 \text{ mA}$ rectification is possible

Parameter	Symbol	Rating	Unit				
Reverse voltage	V _R	15	V				
Repetitive peak reverse voltage	V _{RRM}	15	V				
Peak forward current	I _{FM}	300	mA				
Forward current (Average)	I _{F(AV)}	200	mA				
Non-repetitive peak forward surge current *	I _{FSM}	1	А				
Junction temperature	Tj	125	°C				
Storage temperature	T _{stg}	-55 to +125	°C				





Marking Symbol: 6L

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

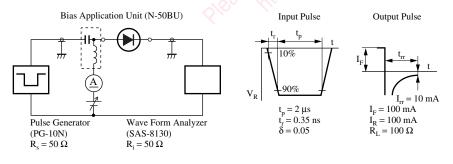
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 200 \text{ mA}$	22		0.39	V
Reverse current	I _R	$V_R = 6 V$	82 ₁ 2	5	50	μΑ
Terminal capacitance	Ct	$V_R = 1 V, f = 1 MHz$	0	20		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$	$\mathcal{O}^{\mathcal{X}}$	3		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

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

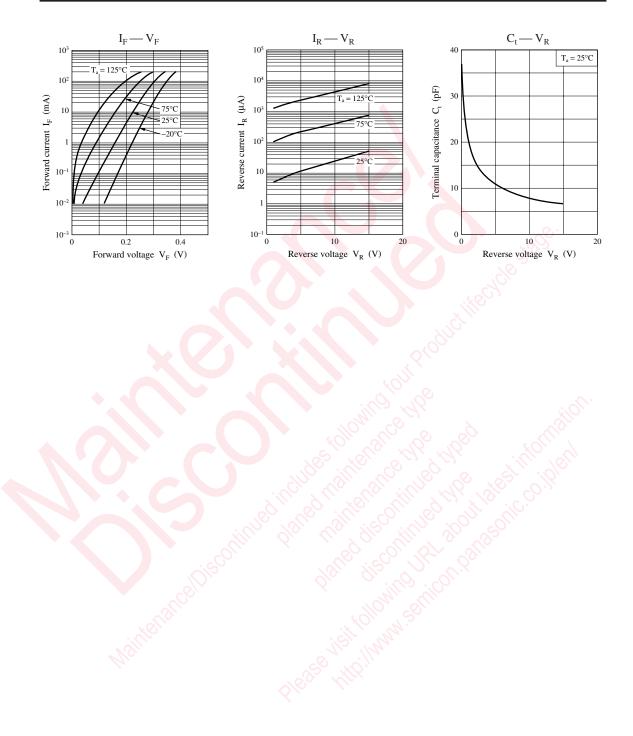
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

- 3. Absolute frequency of input and output is 250 MHz.
- 4. *: t_{rr} measurement circuit



MA2SD25

Panasonic



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