MA27D27

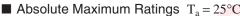
Silicon epitaxial planar type

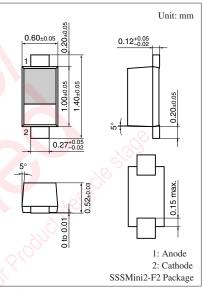
For super high speed switching

Features

- Small reverse current I_R
- Optimum for high frequency rectification because of its short reverse recovery time t_{rr}
- SSS-Mini type 2-pin package

Absolute Maximum Hatings $T_a = 25$ C						
Symbol	Rating	Unit				
V _R	20	V				
V _{RRM}	20	V				
I _{F(AV)}	100	mA				
I _{FM}	200	mA				
I _{FSM}	1	А				
Tj	150	°C				
T _{stg}	-55 to +150	°C				
	$\begin{tabular}{c} \hline U & u \\ \hline Symbol \\ \hline V_R \\ \hline V_{RRM} \\ \hline I_{F(AV)} \\ \hline I_{FM} \\ \hline I_{FSM} \\ \hline T_j \\ \hline \end{tabular}$	Symbol Rating V _R 20 V _{RRM} 20 I _{F(AV)} 100 I _{FM} 200 I _{FSM} 1 T _j 150				





Marking Symbol: 8L

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

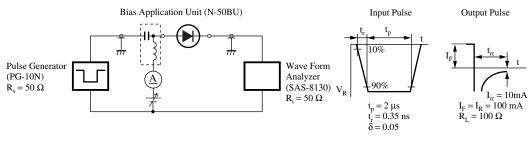
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _{F1}	I _F = 10 mA	0	0.38	0.44	V
	V _{F2}	I _F = 100 mA	je v	0.54	0.58	
Reverse current	I _R	V _R = 10 V	$\sim 2^{\circ}$		0.3	μΑ
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		11		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		1		ns
and the second sec		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

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

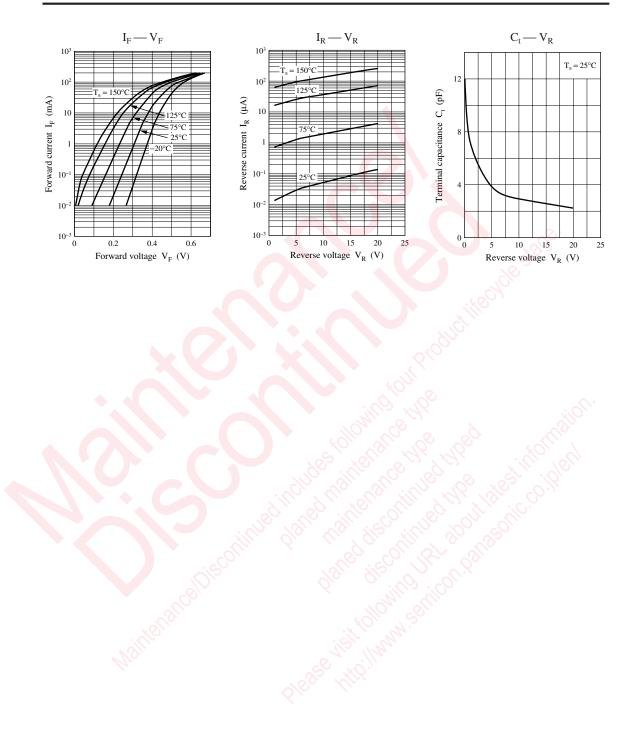
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

- 3. Rated input/output frequency: 250 MHz
- 4. $*: t_{rr}$ measurement circuit



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