MA2YD26

Silicon epitaxial planar type

For high speed switching

■ Features

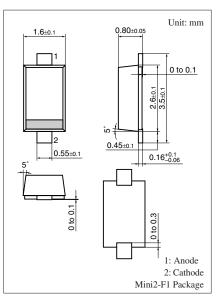
- Forward current (Average) I_{F(AV)} = 800 mA rectification is possible
- Reverse voltage $V_R = 60 \text{ V}$ is guaranteed
- Small reverse current I_R
- Mini type 2-pin package

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	60	V
Maximum peak reverse voltage	V_{RM}	60	V
Forward current (Average) *1	I _{F(AV)}	800	mA
Non-repetitive peak forward surge current *2	I _{FSM}	3	A
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C



^{*2:} The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

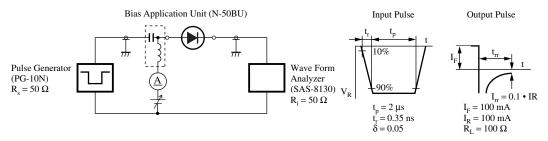


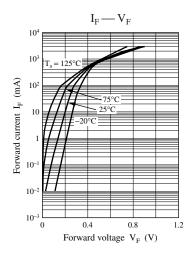
Marking Symbol: 2Y

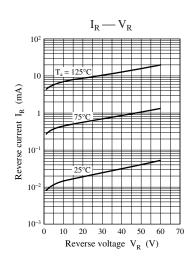
\blacksquare Electrical Characteristics $\rm T_a = 25^{\circ}C \pm 3^{\circ}C$

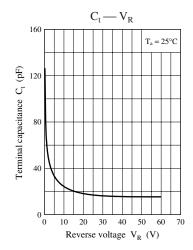
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 800 \text{ mA}$		0.51	0.58	V
Reverse current	I_R	$V_R = 45 \text{ V}$			100	μΑ
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		125		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		8		ns
		$I_{rr} = 0.1 \bullet I_R$, $R_L = 100 \Omega$				

- 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. Rated input/output frequency: 250 MHz
 - 4. *: t_{rr} measuring instrument









2 SKH00123AED

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