MA22D28

Silicon epitaxial planar type

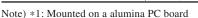
For high speed switching

Features

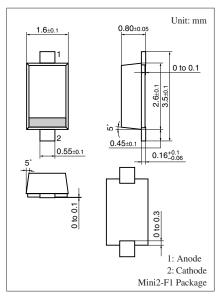
- Forward current $I_{F(AV)} = 1.5$ A rectification is possible
- Low forward voltage V_F

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

Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	30	V
Repetitive peak reverse voltage	V _{RRM}	30	V
Forward current (Average) *1	I _{F(AV)}	1.5	А
Non-repetitive peak forward surge current *2	I _{FSM}	30	А
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C



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



Marking Symbol: 3Z

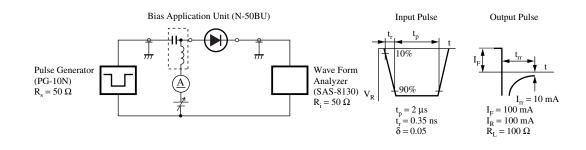
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

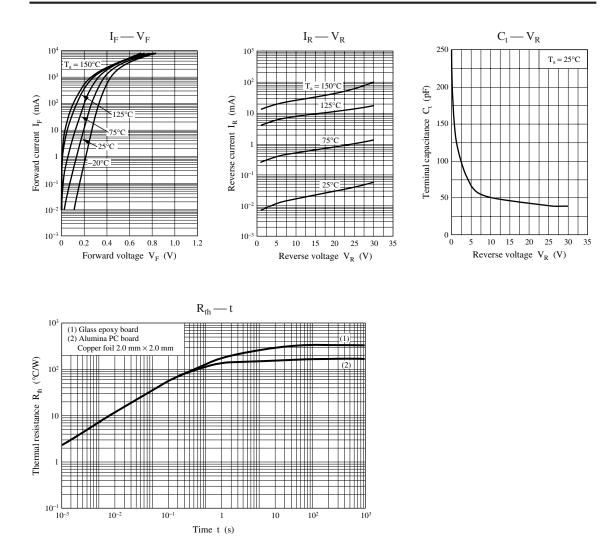
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _{F1}	$I_{\rm F} = 0.5 {\rm A}$		0.34	0.38	V
	V _{F2}	I _F = 1.0 A		0.38	0.42	
	V _{F3}	I _F = 1.5 A		0.42	0.46	
Reverse current	I _R	$V_R = 30 V$			100	μΑ
Terminal capacitance	Ct	$V_{R} = 10 V, f = 1 MHz$		50		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		13		ns
		I_{rr} = 10 mA , R_L = 100 Ω				

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. *: t_{rr} measuring instrument





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