MA21D340G

Silicon epitaxial planar type

For rectification

■ Features

- Forward current (Average) $I_{F(AV)} = 1.0$ A rectification is possible
- Low forward voltage V_F

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit	
Reverse voltage	V_R	30	V	
Maximum peak reverse voltage	V_{RM}	30	V	
Forward current (Average)	I _{F(AV)}	1.0	A	
Non-repetitive peak forward surge current *	I _{FSM}	20	A	
Junction temperature	T _j	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	

Note) *: 50 Hz sine wave 1 cycle (Non-repetitive peak current)

■ Package

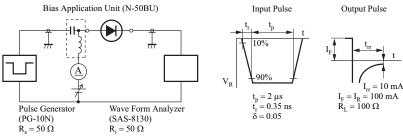
- Code
 - SMini2-F2
- Pin Name
 - 1: Anode
 - 2: Cathode

■ Marking Symbol: 4V

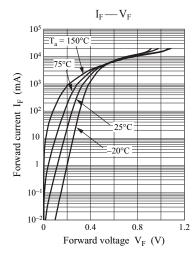
■ Electrical Characteristics $T_a = 25$ °C±3°C

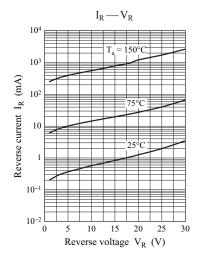
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage V_{F1} V_{F2}	V_{F1}	$I_{\rm F} = 0.7 {\rm A}$		0.33	0.36	V
	V_{F2}	$I_{\rm F} = 1.0 \text{ A}$		0.35	0.38	
Reverse current	I_R	$V_R = 30 \text{ V}$			1 200	μΑ
Terminal capacitance	C_{t}	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		45		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}, I_{rr} = 10 \text{ mA},$ $R_L = 100 \Omega$		14		ns

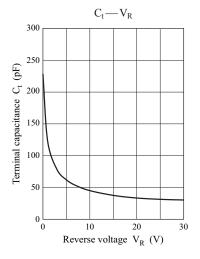
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
 - 3. *: t_{rr} measurement circuit

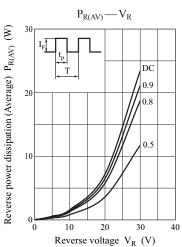


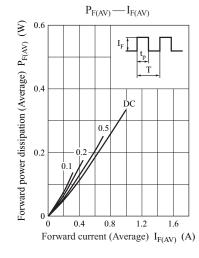
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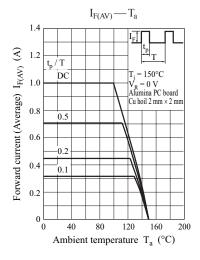


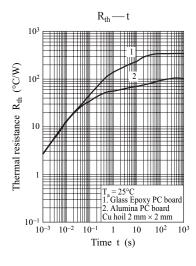


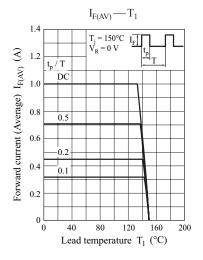








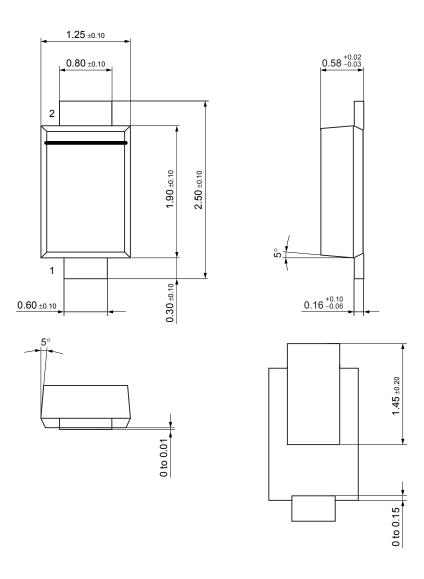




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Panasonic MA21D340G

SMini2-F2 Unit: mm



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