MA21D350G

Silicon epitaxial planar type

For rectification

■ Features

- Forward current (Average) $I_{F(AV)} = 1.0$ A rectification is possible
- Low reverse current I_R

■ 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

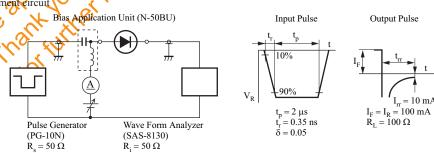
- Code

■ Features				■ Package			
• Forward current (Average) $I_{F(AV)} = 1.0$	A rectificatio	n is possible		Code			
• Low reverse current I _R				SMini2-F2			
				Pin Name			
■ Absolute Maximum Ratings T _a	= 25°C			1: Anode	911	*	
Parameter	Symbol	Rating	Unit	2: Cathode	ines		
Reverse voltage	V _R	30	V	■ Marking S	mbal: 4\A	1	
Maximum peak reverse voltage	V _{RM}	30	V	■ Marking Sy	111001. 41	V	
Forward current (Average)	I _{F(AV)}	1.0	A	or or	•		
Non-repetitive peak forward surge current *	I _{FSM}	20	A	out 1 you			
Junction temperature	T _j	150	°C &	0,00	os.		
Storage temperature	T _{stg}	-55 to +150	$^{\circ}$ C	all			
■ Electrical Characteristics $T_a = 2$	25°C±3°C	datashee	reneman	Marking Sylven			
Parameter	Symbol	10, 10,	Conditions	Min	Тур	Max	Unit
Forward voltage	OV _{FI}	I _F €0 :7 A	ONE		0.42	0.47	V
	V -2	J _F = 1.0 A ·	0,		0.44	0.49	
Reverse current	O IR	V _R = 30 V	85			40	μА
Terminal capacitance	C	$V_R = 10 V$	f=1 MHz		43		pF
Reverse recovery time	of the	$I_{\rm P} = I_{\rm R} = 10$ $R_{\rm L} = 100 \Omega$	$00 \text{ mA}, I_{rr} = 10 \text{ mA}$	λ,	13		ns

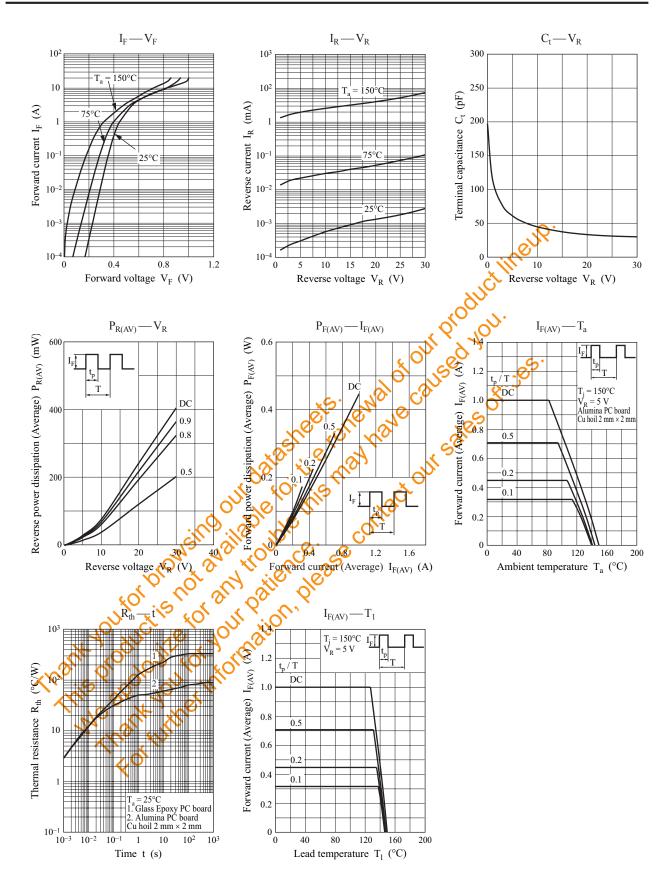
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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

*: t, measurement circuit



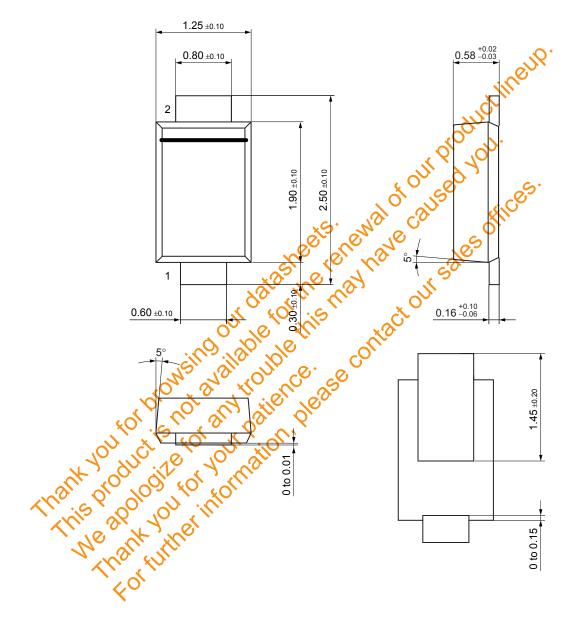
MA21D350G Panasonic



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Panasonic MA21D350G

SMini2-F2 Unit: mm



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