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 $T_a = 25^{\circ}C$

Symbol	Rating	Unit	
V _R	30	V	
V _{RM}	30	V	
I _{F(AV)}	1.0	А	
I _{FSM}	20	А	
Tj	150	°C	
T _{stg}	-55 to +150	°C	
	V _R V _{RM} I _{F(AV)} I _{FSM} T _j	$\begin{tabular}{ c c c c c } \hline V_R & 30 \\ \hline V_{RM} & 30 \\ \hline I_{F(AV)} & 1.0 \\ \hline I_{FSM} & 20 \\ \hline T_j & 150 \\ \hline \end{tabular}$	

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

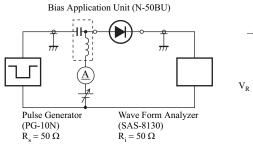
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

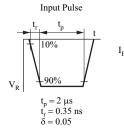
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F1}	$I_F = 0.7 A$		0.33	0.36	v
	V _{F2}	$I_F = 1.0 A$		0.35	0.38	
Reverse current	I _R	$V_R = 30 V$			1 200	μΑ
Terminal capacitance	Ct	$V_R = 10 V, f = 1 MHz$		45		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}, I_{rr} =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





Output Pulse

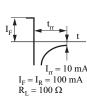
Package

SMini2-F2 Pin Name

> 1: Anode 2: Cathode

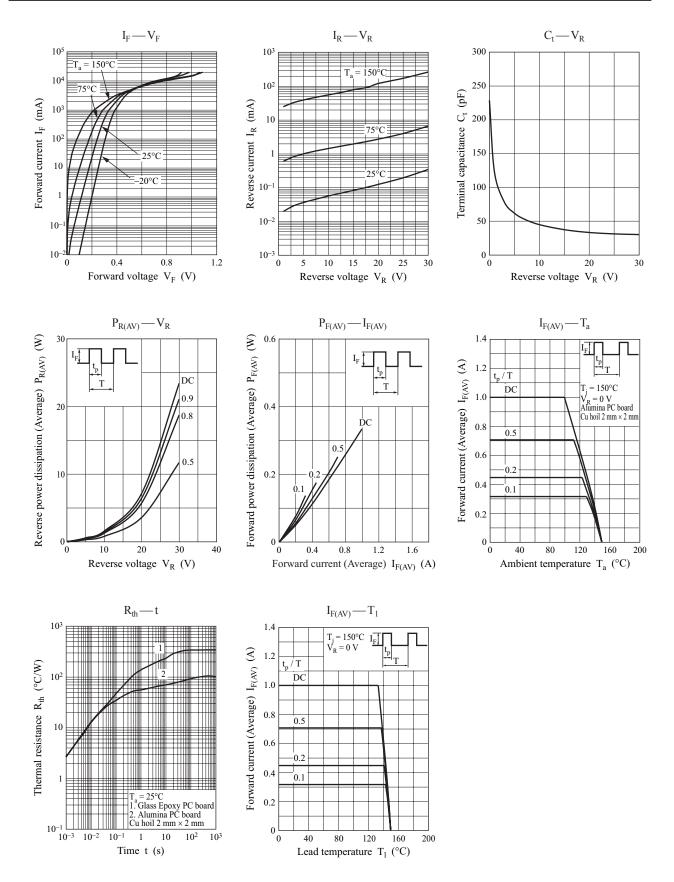
Marking Symbol: 4V

Code



MA21D340G

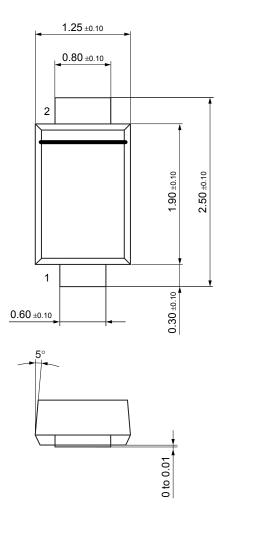
Panasonic

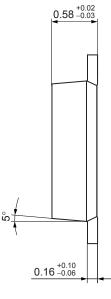


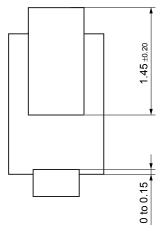
Panasonic

SMini2-F2

Unit: mm







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