Panasonic

DA22F21

Silicon epitaxial planar type

For high speed switching circuits

Features

- \bullet Short reverse recovery time $t_{\rm rr}$
- Low impedance by clip bonding package
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

Packaging

Embossed type (Thermo-compression sealing): 3000 pcs / reel (standard)

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

Parameter	Symbol	Rating	Unit	
Repetitive peak reverse voltage	V _{RRM}	200	V	
Non-repetitive peak reverse surge voltage	V _{RSM} 200		V	
Forward current	I _F	I _F 1.0		
Non-repetitive peak forward surge current *	I _{FSM}	I _{FSM} 15		
Junction temperature	Tj	-40 to +150	°C	
Storage temperature	T _{stg}	-40 to +150	°C	

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

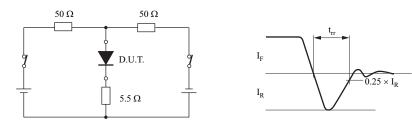
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 1.0 A$			0.98	V
Reverse current	I _{RRM}	V _{RRM} = 200 V			10	μΑ
Terminal capacitance	Ct	$V_{R} = 0 V, f = 1 MHz$		60		pF
Reverse recovery time *	t _{rr}	$I_F = 0.5 \text{ A}, I_R = 1 \text{ A}, I_{rr} = 0.25 \times I_R$			35	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.

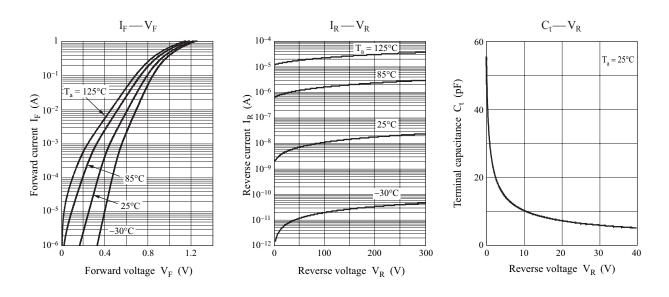
3. *: t_{rr} measurement circuit



- PackageCode
- Mini2-F4-B • Pin Name
- 1: Cathode
- 2: Anode
- Marking Symbol: 3Q

DA22F21

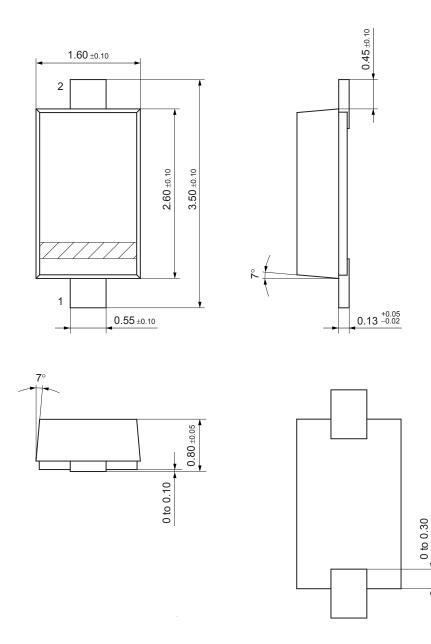
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Mini2-F4-B

Unit: mm



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