imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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Switching Diodes

Panasonic

MA3S1370G

Silicon epitaxial planar type

For high-speed switching circuits

Features

- Two isolated elements contained in one package, allowing highdensity mounting
- Two diodes are connected in series in the package

ADSOlute Maximum Ratings $T_a = 23$ C								
Parameter		Symbol	Rating	Unit				
Reverse voltage		V _R	80	V				
Maximum peak reverse voltage		V _{RM}	80	V				
Forward current	Single	$I_{\rm F}$	100	mA				
	Series		65					
Peak forward	Single	I _{FM}	225	mA				
current	Series		145					
Non-repetitive peak	Single	I _{FSM}	500	mA				
forward surge current *	Series		325	i,				
Junction temperature		Tj	150	°C				
Storage temperature		T _{stg}	-55 to +150	°C				
Note) $*: t = 1$ s			Xer . Xe					

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



- Code
 SSMini3-F3
- Pin Name
 - 1: Anode 1
 - 2: Cathode 2
 - 3: Cathode 1
 - Anode 2

Marking Symbol: MS

Internal Connection



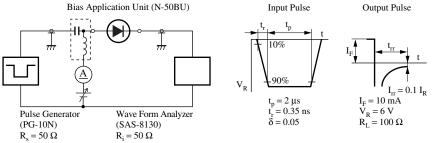
Note) *: t = 1 s

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

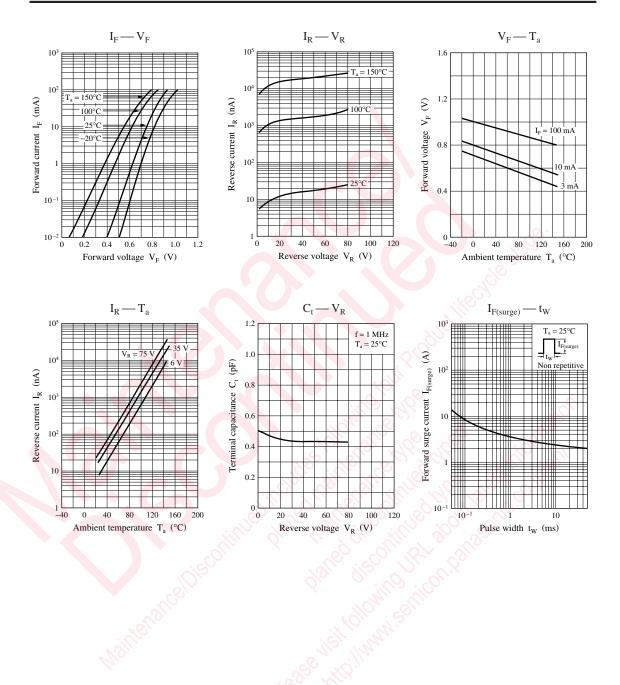
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	I _F = 100 mA	$\sim 2^{\circ}$		1.2	V
Reverse voltage	V _R	I _R = 100 μA	80			V
Reverse current	I _R	V _R = 75 V			100	nA
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$			2	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			3	ns
		$I_{rr} = 0.1 I_R$, $R_L = 100 \Omega$				

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

- 2. Absolute frequency of input and output is 100 MHz.
- 3. *: t_{rr} measurement circuit



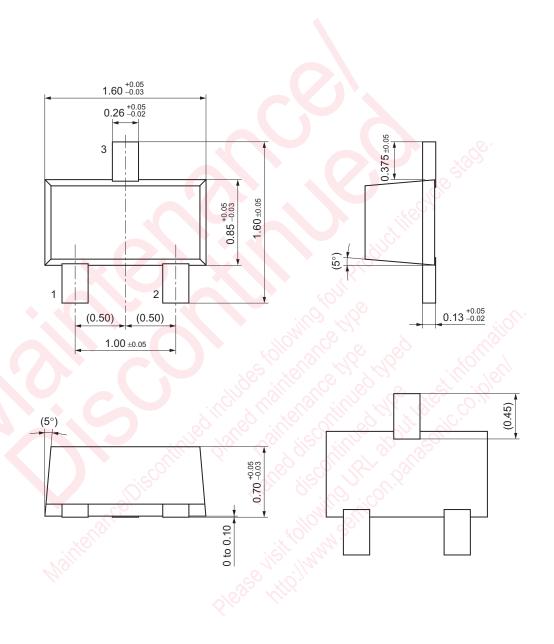
Panasonic



Panasonic

SSMini3-F3

Unit: mm



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