MALT062HG

Silicon planar type

For ESD protection

Features

- Electrostatic discharge ESD: $\pm 30 \text{ kV}$
- Four elements anode-common type

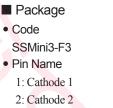
Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit
Total power dissipation *1	P _D	150	mW
Electrostatic discharge *2	ESD	±30	kV
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Note) $*1: P_D = 150 \text{ mW}$ achieved with a printed circuit board.

*2: Test method: IEC61000-4-2

 $(C = 150 \text{ pF}, R = 330 \Omega, \text{Contact discharge: } 10 \text{ times})$



3: Anode 1, 2

Marking Symbol: 6.2E

Internal Connection

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Breakdown voltage *	V _{BR}	$I_R = 1 \text{ mA}$	5.8	6.2	6.6	V
Reverse current	I _R	$V_R = 4.0 V$			1.0	μΑ
Terminal capacitance	Ct	$V_{\rm R} = 0 \text{V}, \text{f} = 1 \text{MHz}$		55		pF

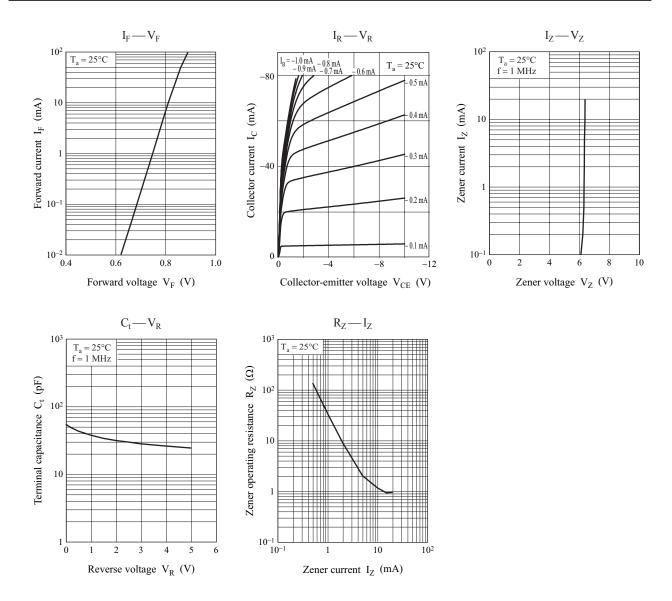
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. The temperature must be controlled 25°C for V_{BR} mesurement.

 V_{BR} value measured at other temperature must be adjusted to $V_{BR}\left(25^\circ C\right)$

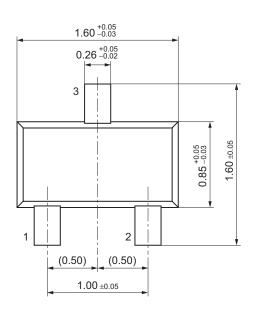
3. *: V_{BR} guaranted 20 ms after current flow.

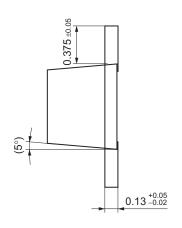
Panasonic

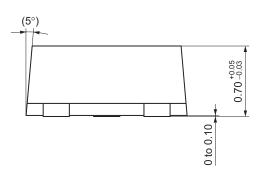


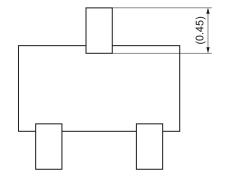
SSMini3-F3

Unit: mm









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