Zener Diodes Panasonic

MALS062

Silicon planar type

For ESD protection

■ Features

- Electrostatic discharge ESD: ±30 kV
- SS-Mini 2 pin molde type package, optimum for high-density mounting.

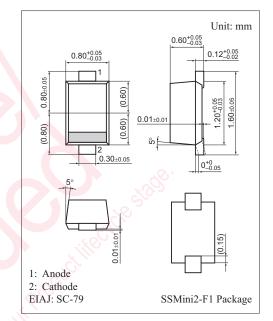
■ Absolute Maximum Ratings $T_a = 25$ °C

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

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

*2: Test method: IEC61000-4-2

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



Marking Symbol: DE

■ Electrical Characteristics $T_a = 25$ °C±3°C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Breakdown voltage *	V_{BR}	$I_Z = 1 \text{ mA}$	5.8	6.2	6.6	V
Reverse current	I_R	$V_R = 4.0 \text{ V}$	SC 76		1.0	μΑ
Terminal capacitance	C_{t}	$V_R = 0 \text{ V, } f = 1 \text{ MHz}$	11/0	55		pF

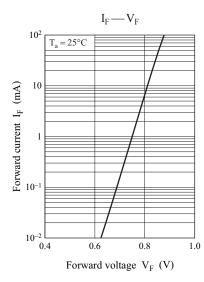
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

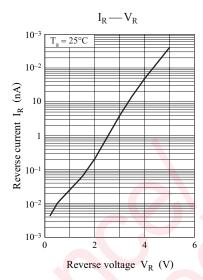
2. The temperature must be controlled 25°C for V_{BR} mesurement.

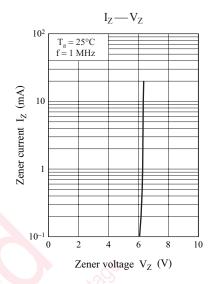
 V_{BR} value measured at other temperature must be adjusted to V_{BR} (25°C)

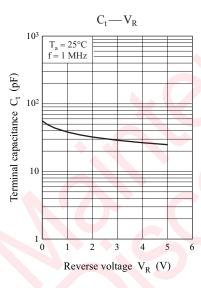
3. *: V_{BR} guaranted 20 ms after current flow.

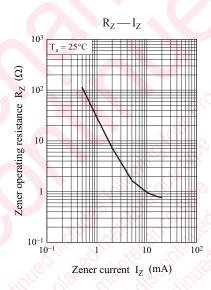
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