

MALS068

Silicon planar type

For ESD protection

■ Features

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

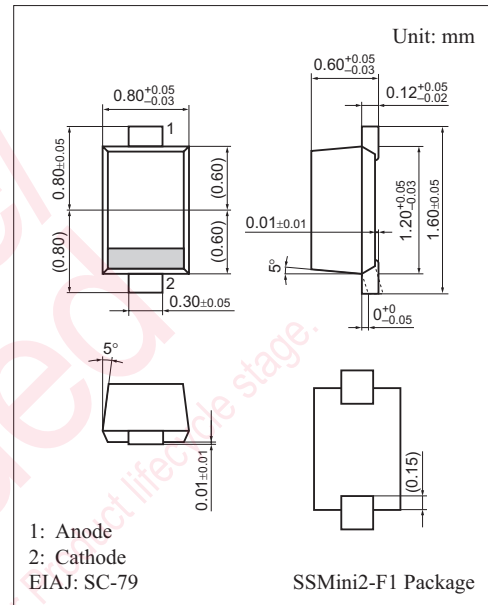
■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Rating | Unit |
|----------------------------|------------------|-------------|------------------|
| Total power dissipation *1 | P_T | 150 | mW |
| Junction temperature | T_j | 150 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to +150 | $^\circ\text{C}$ |
| Electrostatic discharge *2 | ESD | ± 30 | kV |

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

*2: Test method: IEC61000-4-2

(C = 150 pF, R = 330 Ω , Contact discharge: 10 times)



Marking Symbol: RE

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

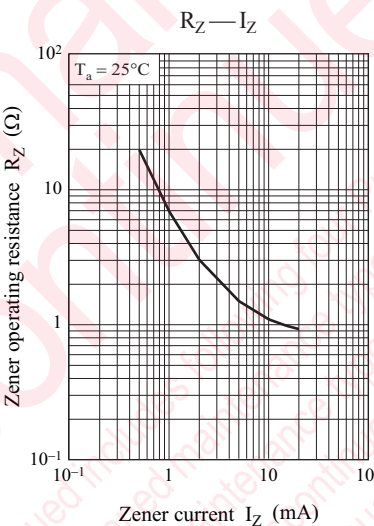
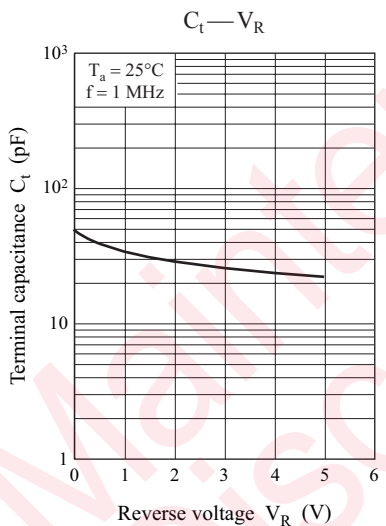
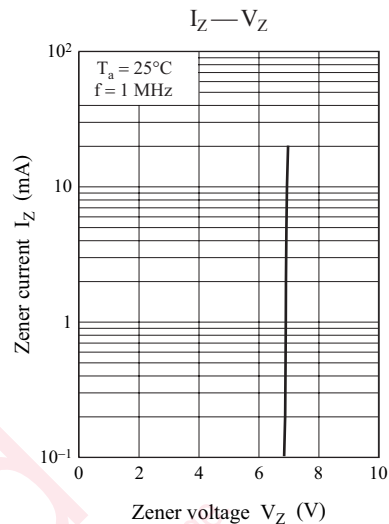
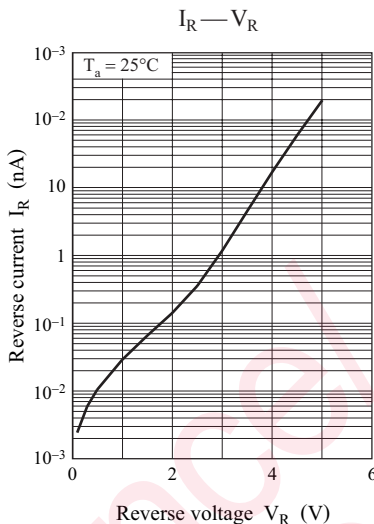
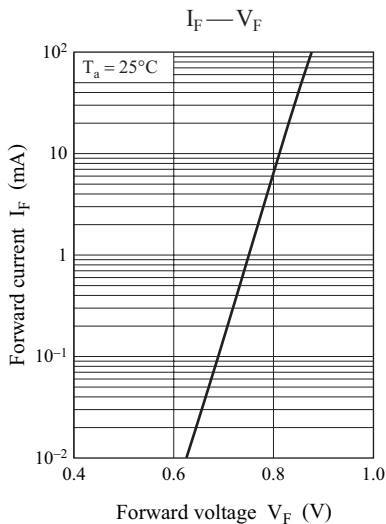
| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|----------------------|----------|--------------------------|-----|-----|-----|---------------|
| Breakdown voltage * | V_{BR} | $I_R = 5$ mA | 6.4 | 6.8 | 7.2 | V |
| Reverse current | I_R | $V_R = 4.0$ V | | | 0.5 | μA |
| Terminal capacitance | C_t | $V_R = 0$ V, $f = 1$ MHz | | 50 | | 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} measurement.

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

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



utions in using the technical information and scribed in this book

s book is to be exported or provided to non-residents, the laws and
rd to security export control, must be observed.

ly to show the main characteristics and application circuit examples
l property right or other right owned by our company or any other
any as to the infringement upon any such right owned by any other
rmation described in this book.

standard applications or general electronic equipment (such as office
and household appliances).

ng applications:

biles, traffic control equipment, combustion equipment, life support
reliability are required, or if the failure or malfunction of the prod-

ck are subject to change without notice for modification and/or im-
use of the products, therefore, ask for the most up-to-date Product
atisfy your requirements.

bsolute maximum rating and the guaranteed operating conditions
(.). Especially, please be careful not to exceed the range of absolute
er-off and mode-switching. Otherwise, we will not be liable for any



take into the consideration of incidence of break down and failure
n the systems such as redundant design, arresting the spread of fire
al injury, fire, social damages, for example, by using the products.

own and characteristics change due to external factors (ESD, EOS,
mounting or at customer's process. When using products for which
shelf life and the elapsed time since first opening the packages.






ly or partially, without the prior written permission of Matsushita

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View MALS06800L on WIN SOURCE](#)
-  [Panasonic Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management