

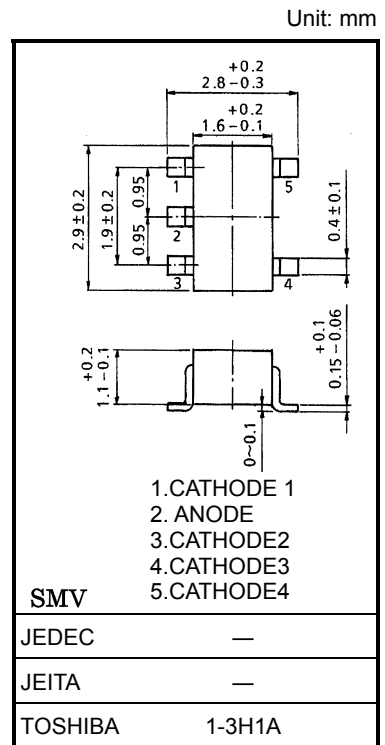
# DF5A5.6F

## Diodes for Protecting against ESD

- The mounting of four devices on an ultra-compact package allows the number of parts and the mounting cost to be reduced.
- The zener voltage corresponds to the E24 Series.

### Maximum Ratings (Ta = 25°C)

| Characteristic            | Symbol           | Rating  | Unit |
|---------------------------|------------------|---------|------|
| Power dissipation         | P                | 200     | mW   |
| Junction temperature      | T <sub>j</sub>   | 125     | °C   |
| Storage temperature range | T <sub>stg</sub> | -55~125 | °C   |



### Electrical Characteristics (Ta = 25°C)

Weight: 0.014 g (typ.)

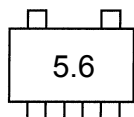
| Characteristic                                      | Symbol         | Test Condition                | Min | Typ. | Max | Unit |
|---|----------------|-------------------------------|-----|------|-----|------|
| Zener voltage                                       | V <sub>Z</sub> | I <sub>Z</sub> = 5 mA         | 5.3 | 5.6  | 6.0 | V    |
| Dynamic impedance                                   | Z <sub>Z</sub> | I <sub>Z</sub> = 5 mA         | —   | —    | 40  | Ω    |
| Reverse current                                     | I <sub>R</sub> | V <sub>R</sub> = 2.5 V        | —   | —    | 1.0 | μA   |
| Terminal capacitance<br>(between Cathode and Anode) | C <sub>T</sub> | V <sub>R</sub> = 0, f = 1 MHz | —   | 65   | —   | pF   |

### Guaranteed Level of ESD Immunity

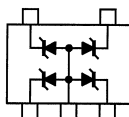
| Test Condition                      | ESD Immunity Level |
|-------------------------------------|--------------------|
| IEC61000-4-2<br>(Contact discharge) | ± 30 kV            |

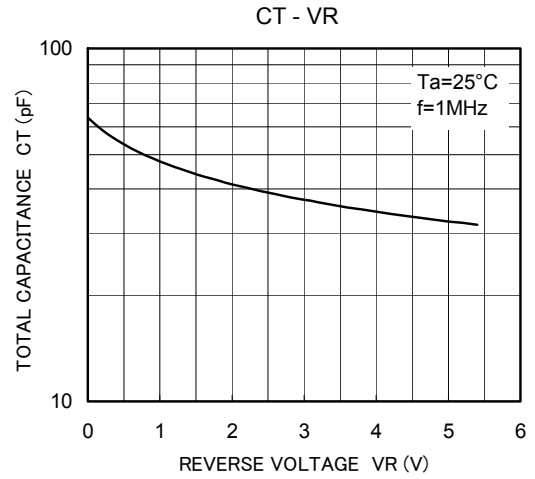
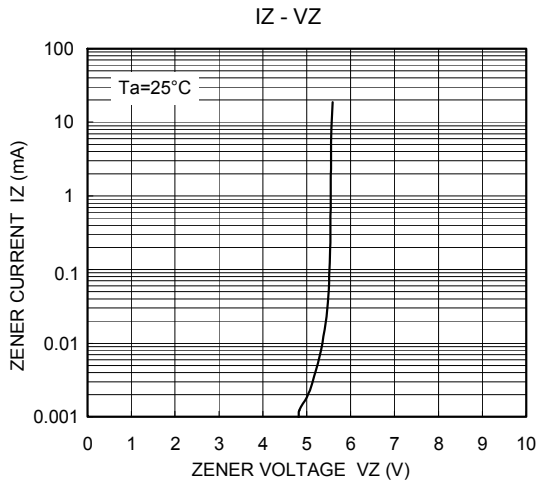
Criterion: No damage to device elements

### Marking



### Equivalent Circuit (Top View)





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