

CONSTANT VOLTAGE REGULATION APPLICATION.

REFERENCE VOLTAGE APPLICATION.

WAVE FORM CLIPPER

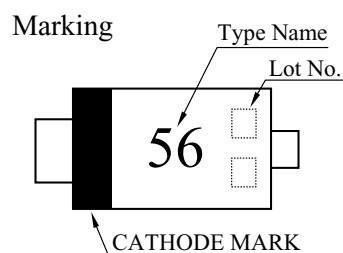
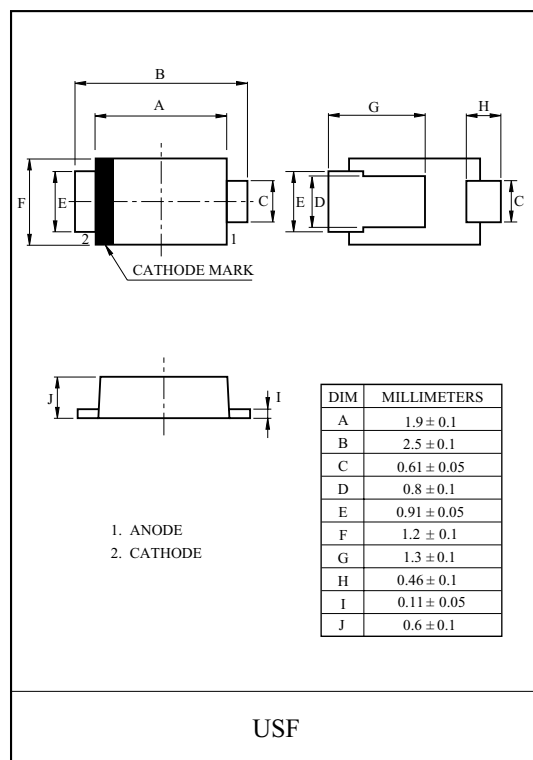
## FEATURES

- Sharp breakdown characteristic

## MAXIMUM RATING (Ta=25℃)

| CHARACTERISTIC            | SYMBOL    | RATING  | UNIT |
|---------------------------|-----------|---------|------|
| Power Dissipation         | $P_D^*$   | 500     | mW   |
| Junction Temperature      | $T_j$     | 150     | ℃    |
| Storage Temperature Range | $T_{stg}$ | -55~150 | ℃    |
| Operating Temperature     | $T_{opr}$ | -55~150 | ℃    |

\* Mounted on a glass epoxy circuit board of  $20 \times 20$  mm,  
pad dimension of  $4 \times 4$  mm.



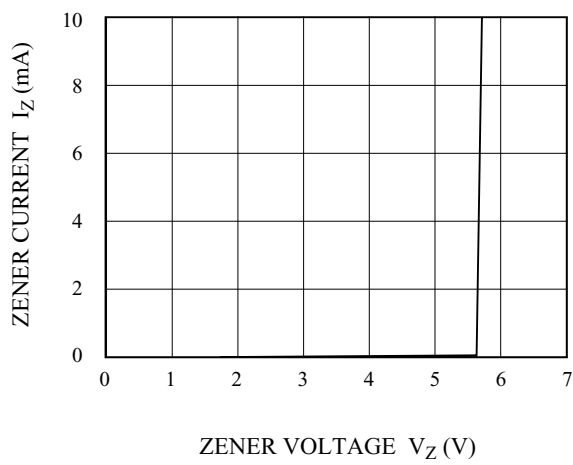
## ELECTRICAL CHARACTERISTICS (Ta=25℃)

| CHARACTERISTIC         | SYMBOL   | TEST CONDITION    | MIN. | TYP. | MAX. | UNIT          |
|------------------------|----------|-------------------|------|------|------|---------------|
| Zener Voltage (Note 1) | $V_Z$    | $I_Z=10\text{mA}$ | 5.1  | -    | 6.1  | V             |
| Reverse Current        | $I_{R1}$ | $V_R=2.5\text{V}$ | -    | -    | 0.2  | $\mu\text{A}$ |
|                        | $I_{R2}$ | $V_R=4\text{V}$   | -    | -    | 1.5  | $\mu\text{A}$ |

(Note 1)  $V_Z$  is tested with pulsed (40ms)

# USFZ 5.6V

$I_Z - V_Z$



$P_D - T_a$

