

High voltage silicon diodes for micro-wave oven

Reverse Voltage – 10kV

Forward Current –350mA

FEATURES

♦High reliability

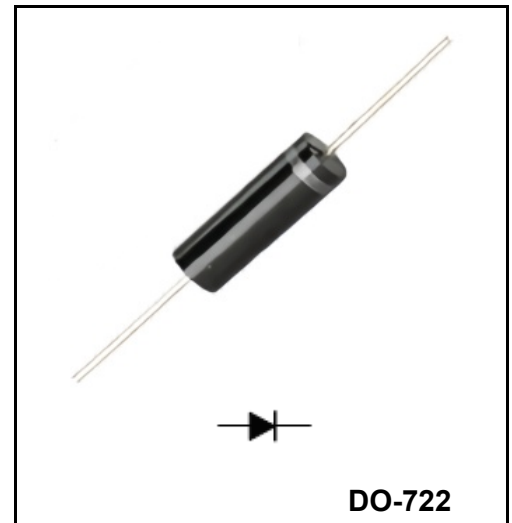
MECHANICAL DATA

♦Case: Molded Plastic Body

♦Epoxy meets UL 94V-0 flammability rating

♦Terminals: Pure tin plated leads, solderable per J-STD-002 and JESD22-B102, E3 suffix for consumer grade, meet JESD201class 1A whisker test.

♦Polarity: Color band denotes cathode end



Maximum rating (Ta=25°C unless otherwise noted)

| Parameter | | Symbol | HV03-10 | Unit |
|---------------------------------------|--|-------------|-----------------|--------------------|
| Repetitive peak reverse voltage | | V_{RRM} | 10 | KV |
| Average forward current | AT $T_A=55^{\circ}\text{C}$ | $I_{F(AV)}$ | 350 | mA |
| Surge(Non-repetitive)forward current | 8.3ms single half sine-wave (JEDEC methode) $T_a=25^{\circ}\text{C}$ | I_{FSM} | 30 | A |
| Peak forward voltage | $I_{FM}=400\text{mA}$ | V_{FM} | 10 | V |
| Peak reverse current $V_{RM}=V_{RRM}$ | | I_{RRM1} | ≤ 1 | μA |
| Storage Temperature Range | | T_{stg} | $-40 \sim +130$ | $^{\circ}\text{C}$ |
| Virtual junction temperature | | $T_{(vj)}$ | 130 | $^{\circ}\text{C}$ |

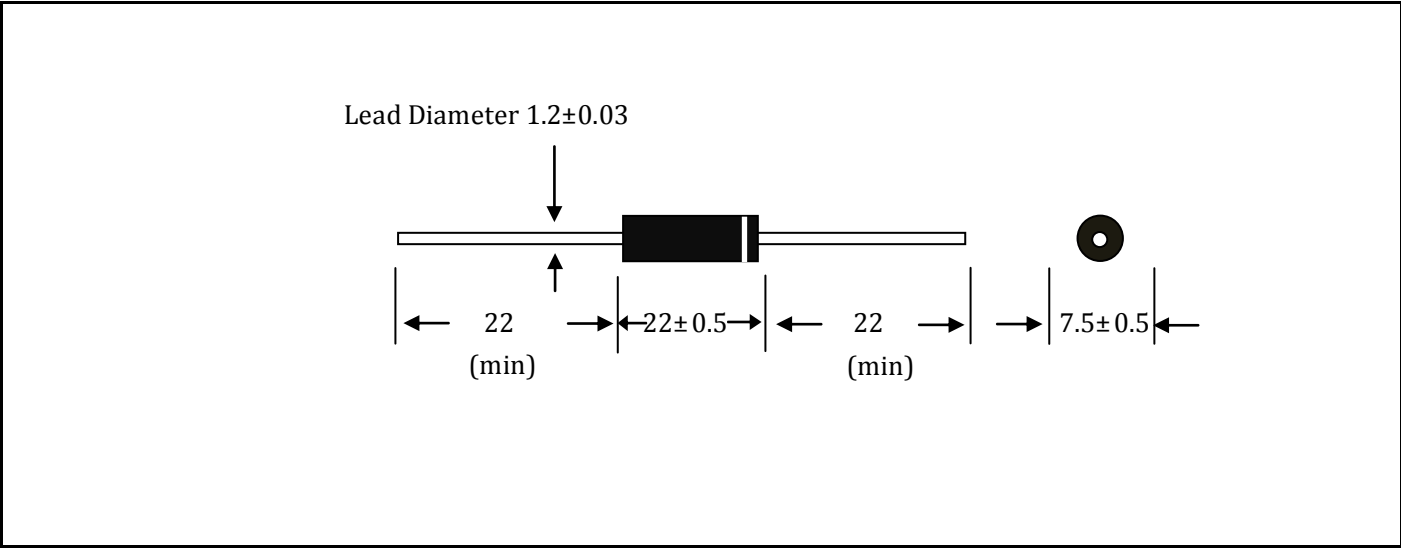
Notes :Cooling Requirement: Cathode terminal is fastened to radiating fin that size is more than 50mm×50mm×0.6mm
Wind-cooled velocity is more than 0.5m/s.

Ordering information

| Package | Packing Description | Packing Quantity |
|---------|---------------------|---------------------------------|
| DO-722 | bulk | 500PCS/Inner Bag 4000PCS/Carton |

Package Dimensions(Millimeter(mm))

DO-722



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