

**High voltage silicon diodes for micro-wave oven**

**Reverse Voltage – 10kV**

**Forward Current –350mA**

**FEATURES**

◆High reliability

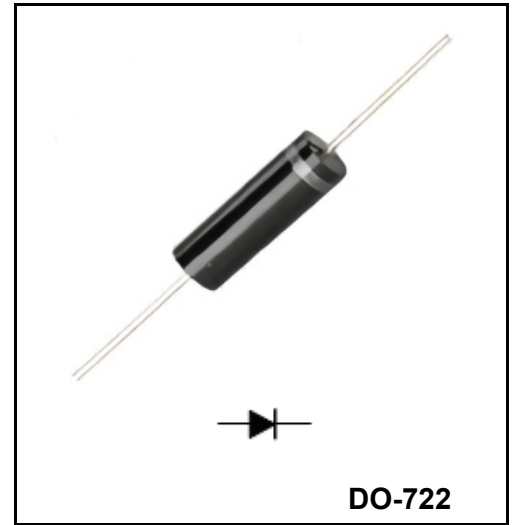
**MECHANICAL DATA**

◆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 $T_A=55^{\circ}C$	$I_{F(AV)}$	350	mA
Surge(Non-repetitive)forward current	8.3ms single half sine-wave (JEDEC methode ) $T_a=25^{\circ}C$	$I_{FSM}$	30	A
Peak forward voltage	$I_{FM}=400mA$	$V_{FM}$	10	V
Peak reverse current $V_{RM}=V_{RRM}$		$I_{RRM1}$	$\leq 1$	$\mu A$
Storage Temperature Range		$T_{stg}$	-40 ~ +130	$^{\circ}C$
Virtual junction temperature		$T_{(vj)}$	130	$^{\circ}C$

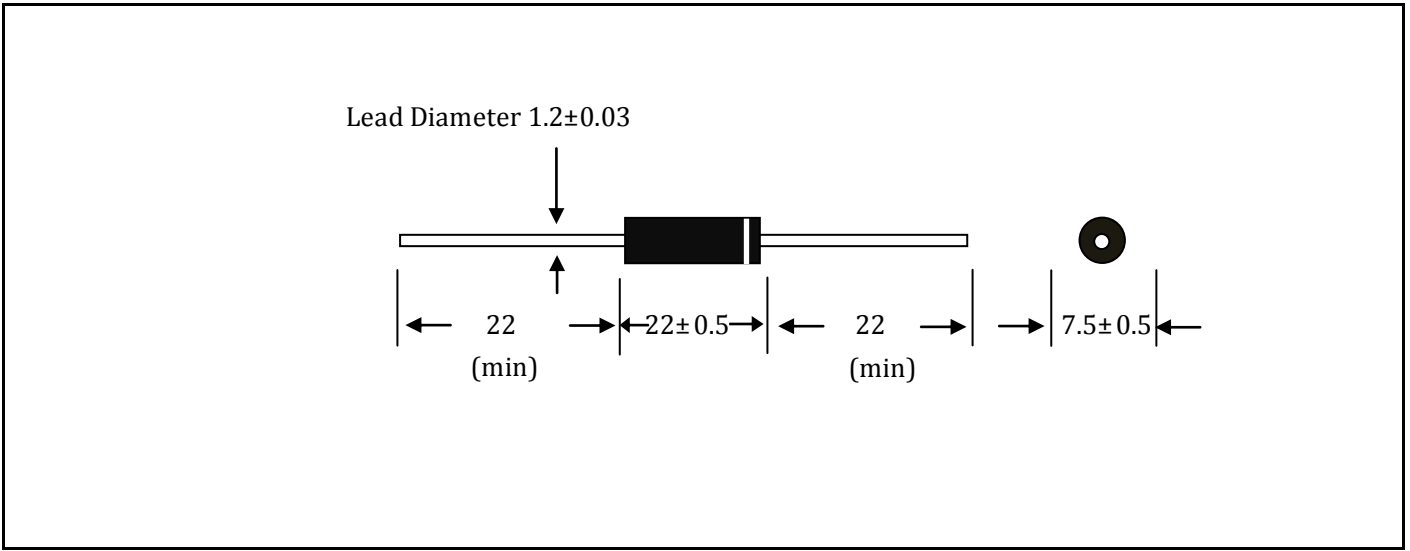
Notes :Cooling Requirement: Cathode terminal is fastened to radiating fin that size is more than 50mm×50mm×0.6mm  
Wind-cooled velocity is more than 0.5m/s.

**Ordering information**

Package	Packing Description	Packing Quantity
DO-722	bulk	100PCS/Bag 500PCS/Box 4000PCS/Carton

**Package Dimensions(Millimeter(mm))**

**DO-722**



## Disclaimer

The information presented in this document is for reference only. GuangDong Youfeng Microelectronics Co.,Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise. The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices),YFW or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale. This publication supersedes & replaces all information previously supplied. For additional information, please visit our website <https://www.yfwdiode.com>, or consult YFW sales office for further assistance.