

High voltage silicon diodes for micro-wave oven

Reverse Voltage – 10kV

Forward Current –350mA

FEATURES

♦High reliability



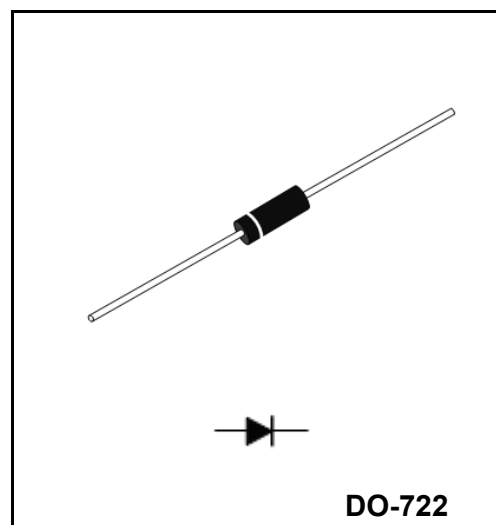
MECHANICAL DATA

♦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

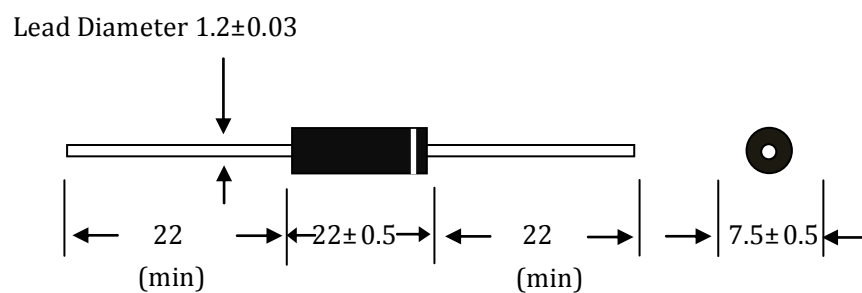


Maximum rating (Ta=25°C unless otherwise noted)

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.

Package outline dimensions



Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
DO-722	BOX	5000	EIA-481-1