

# HVR45011-H

**PRV : 11000 Volts**

**Io : 450 mA**

**FEATURES :**

- \* Glass passivated junction chip
- \* High current capability
- \* High surge current capability
- \* High reliability
- \* Low reverse current
- \* Low forward voltage drop
- \* Pb / RoHS Free

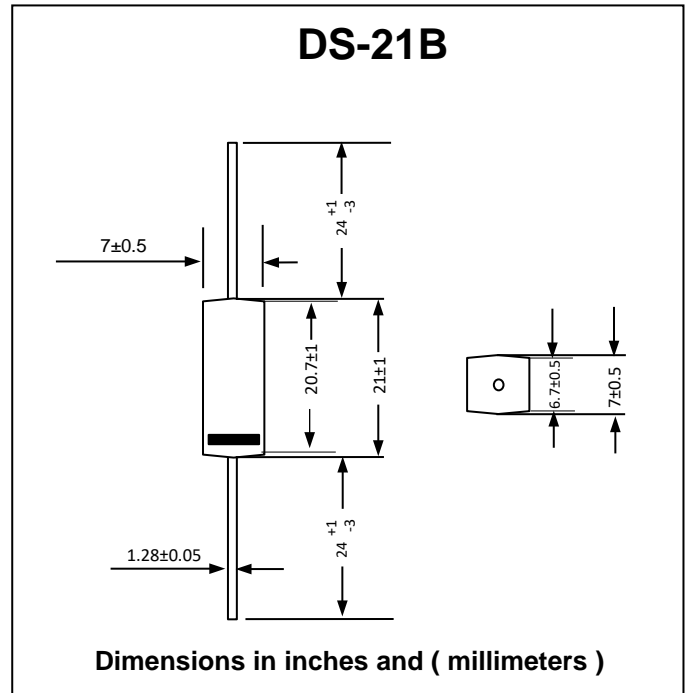
**APPLICATION :**

- \* Micro-wave Oven

**MECHANICAL DATA :**

- \* Case : DS-21B Molded plastic
- \* Epoxy : UL94V-O rate flame retardant
- \* Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- \* Polarity : Color band denotes cathode end
- \* Mounting position : Any

## HIGH VOLTAGE RECTIFIER DIODE



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNIT
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	11.0	kV
Maximum RMS Voltage	$V_{RMS}$	7.7	kV
Maximum DC Blocking Voltage	$V_{DC}$	11.0	kV
Maximum Average Forward Current	$I_{F(AV)}$	450	mA
Maximum Non-repetitive Peak Reverse Current	$I_{RSM}$	100	mA
Maximum Peak Forward Surge Current 8.3ms Single half sine wave Superimposed on rated load	$I_{FSM}$	15	A
Maximum Peak Forward Voltage at $I_F = 450$ mA	$V_F$	10.0	V
Avalanche Breakdown Voltage at $I_R = 100$ $\mu$ A	$V_{(BR)}$	13.0	kV
Maximum DC Reverse Current at $V_{RM}=V_{RRM}$	$I_R$	5.0	$\mu$ A
Junction Temperature Range	TJ	- 40 to + 130	°C
Storage Temperature Range	TSTG	- 40 to + 130	°C