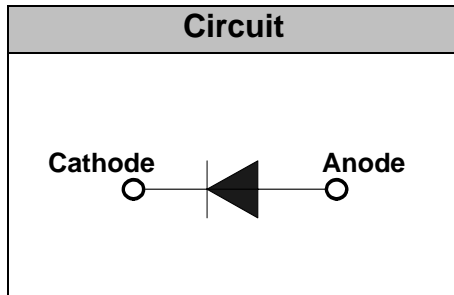


## High Voltage Diodes

**Reverse Voltage 8500V**  
**Forward current 350 mA**



We declare that the material of product compliance with RoHS requirements.

### Applications

- Rectification for inverter type Microwave oven high voltage power supply

### Features

- Controlled avalanche characteristic combined with the ability to dissipate reverse power
- Plastic package has underwriters laboratory flammability classification 94V-0
- Low forward voltage drop
- Typical  $i_r$  less than  $1\mu A$
- High overload surge capability
- High temperature soldering guaranteed 260-C/10s/.375" (9.5mm) lead length at 5 lbs, (2.3kg) tension

### Mechanical data

- **Case:** Reliable low cost construction utilizing molded plastic technique
- **Terminals:** Axial leads. Solderable per MIL-STD-202 Method 208
- **Polarity:** Any

### Maximum Ratings and Electrical Characteristics @ $T_A = 25^\circ C$ unless otherwise specified-

Parameter	Symbol	Values	Unit
Recurrent Peak Reverse Voltage	$V_{RRM}$	8500	V
RMS Voltage	$V_{RMS}$	5950	V
DC Blocking Voltage	$V_{DC}$	8500	V
Average forward output rectified current 0.375" (9.5mm) lead length at $T_A = 55^\circ C$	$I_{F(AV)}$	350	mA
Peak forward surge current single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	30	A
Instantaneous Forward Voltage at 350mA DC	$V_F$	14.0	V
$V_R = V_{RRM}$ $T_A = 25^\circ C$	$I_R$	10	$\mu A$
Maximum reverse recovery time $I_F = I_R = 100mA, 90\%$ recovery point	$T_{RR}$	150	nS
Operating Junction	$T_j$	-40 to +130	$^\circ C$
Storage temperature range	$T_{STG}$	-40 to +130	$^\circ C$
Weight(Approximately)		2.4	g

## Performance Curves

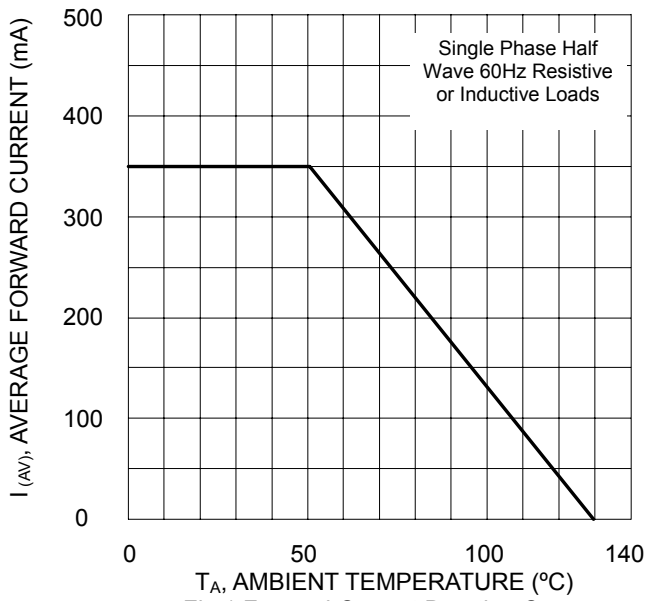


Fig.1 Forward Current Derating Curve

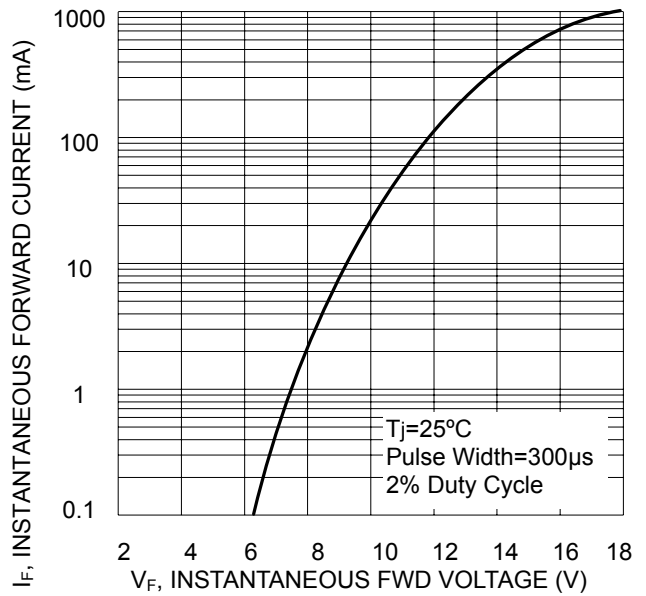


Fig.2 Typical Instantaneous Forward Characteristics

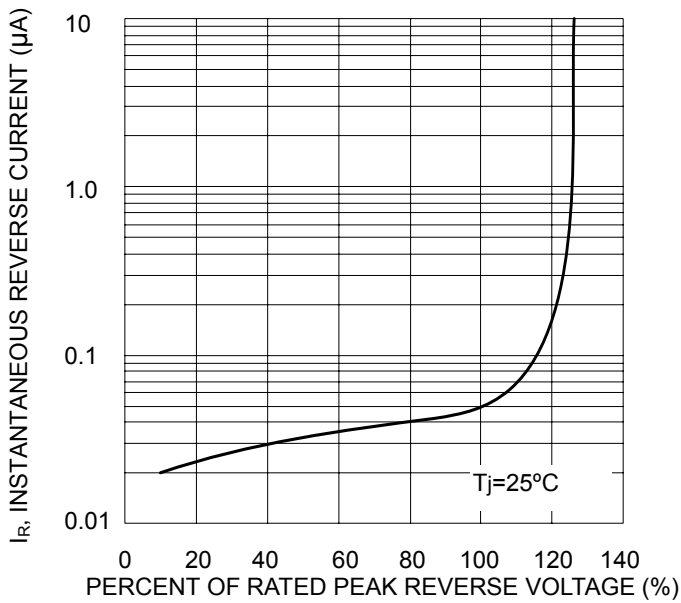


Fig.3 Typical Reverse Characteristics

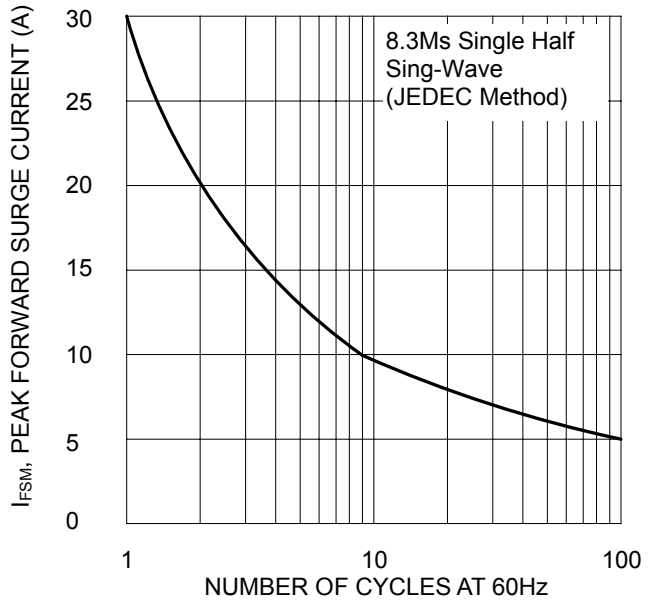
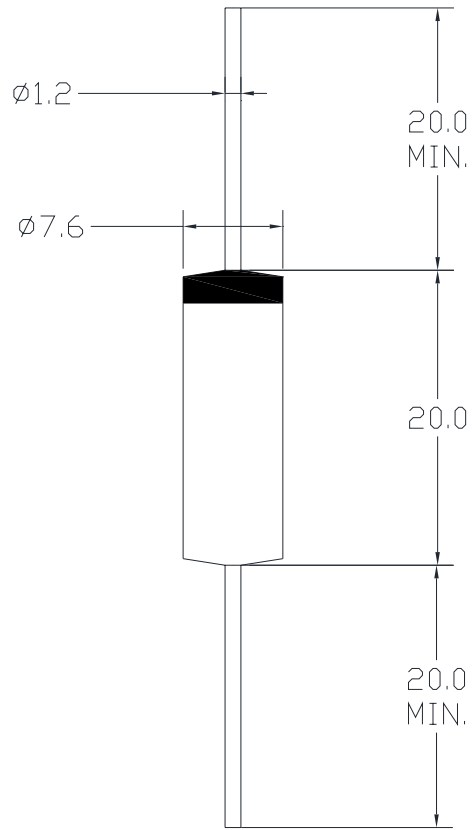


Fig.3 Maximum Non-Repetitive Surge Current

## Package Outline Information

**CASE: HVM**



Dimensions in mm