

# HV37-08

## Features

- Axial leaded device
- Fast reverse recovery time
- Low forward voltage
- Ultra small package

8kv,410mA,100ns  
High Voltage Diode

## Device Electrical Characteristics

(Ta=25°C Unless otherwise noted)

Items	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		$V_{RRM}$	8kv
Average Forward Current Maximum	Ta=55°C	$I_{FVM}$	410mA
Maximum Forward Voltage	$I_F=400mA$	$V_{FM}$	18Volts
Maximum Surge Current rating	10msec, half sine	$I_{FSM}$	20Amps
Maximum Reverse Current	$V_R = V_{RRM}$	$I_{RM1}$	0.5μA
Maximum High Temperature Reverse Current	Ta=100°C, $V_R = V_{RRM}$	$I_{RM2}$	10μA
Maximum Reverse Recovery Time	$I_F=40mA$ $I_R=80mA$ $I_{RR}=100mA$	t <sub>rr</sub>	100ns
Minimum Junction Temperature	—	T <sub>j</sub>	120°C
Storage Temperature Range	—	T <sub>STG</sub>	-40°C to 150°C

## Mechanical Data

Items	Symbol	(mm)
Body length	A	15
Body diameter	D	4.2
Lead length	B	24
Lead diameter	C	0.78

