

# SHV-05J

High Voltage Rectifier Diode

**PRV : 2500 Volts**

**I<sub>o</sub> : 30 mA**

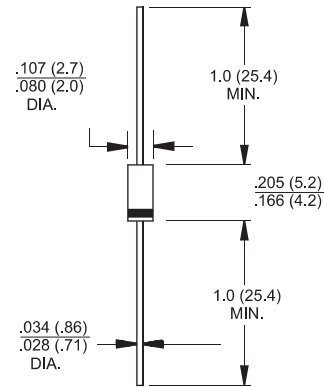
## Features

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

## Mechanical Data

- \* Case : DO-41 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
- \* Weight : 0.34 gram

### DO-41



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE	UNITS
Maximum Peak Reverse Voltage	$V_{RM}$	2500	V
Maximum Average Forward Current	$I_{F(AV)}$	30	mA
Peak Reverse Surge Current 50 Hz half-wave single	$I_{RSM}$	3	A
Maximum Peak Forward Voltage at $I_F = 10$ mA.	$V_F$	5.0	V
Maximum Reverse Current at $V_R = V_{RM}$	$I_R$	10	$\mu$ A
Zener Voltage at $I_R = 100$ $\mu$ A	$V_{Z(Min.)}$	3.2	kV
	$V_{Z(Max.)}$	6.0	
Operating Junction Temperature Range	$T_J$	- 40 to + 150	°C
Storage Temperature Range	$T_{STG}$	- 40 to + 150	°C