

# Silicon Switching Diode

1N457A

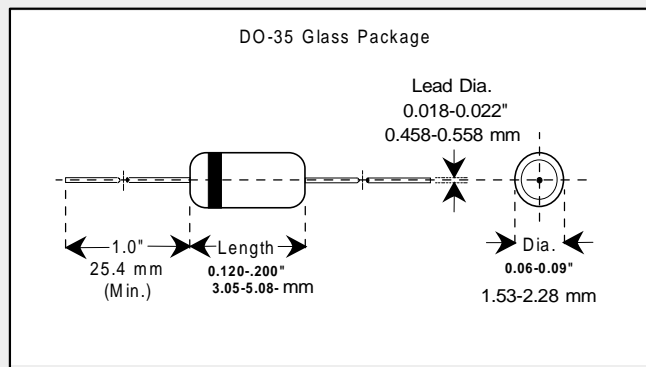
# DO-35 Glass Package

## Applications

Used in general purpose applications, where a controlled forward characteristic is important.

## Features

- Six sigma quality
- BKC's Sigma Bond™ plating for problem free solderability
- LL-35 MELF SMD available
- Hermetic Glass Package
- Extremely low FIT Level



Maximum Ratings	Symbol	Value	Unit	
Peak Inverse Voltage	PIV	70 (Min).	Volts	
Average Rectified Current	Iavg	200	mAmps	
Continuous Forward Current	I <sub>Fdc</sub>	300	mAmps	
Peak Surge Current (t <sub>peak</sub> = 1 sec.)	I <sub>peak</sub>	1.0	Amp	
Max. Power Dissipation T <sub>L</sub> =50 °C, L = 3/8" from body	P <sub>tot</sub>	500	mWatts	
Operating Temperature Range	T <sub>Op</sub>	-80 to +200	°C	
Storage Temperature Range	T <sub>St</sub>	-80 to +200	°C	
Electrical Characteristics @ 25°C*	Symbol	Minimum	Maximum	Unit
Forward Voltage Drop @ I <sub>F</sub> = 100 mA	V <sub>F</sub>	***	1.00	Volts
Reverse Leakage @ V <sub>R</sub> = 60 V	I <sub>R</sub>	***	25	nA
Reverse Leakage @ V <sub>R</sub> = 60 V, 100 °C	I <sub>R</sub>	***	0.005	mA



**Microsemi**

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