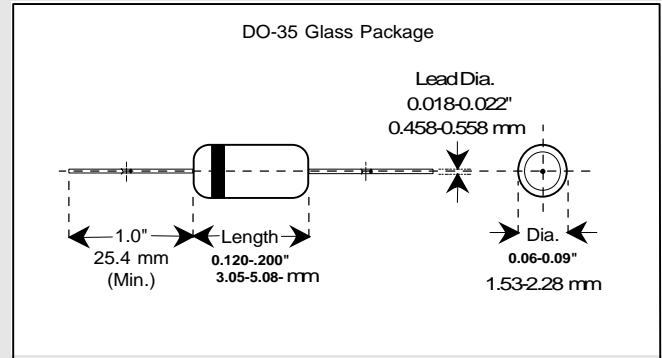


## Applications

Used in general purpose applications, where a controlled forward characteristic and fast switching speed are important.

## Features

- Six sigma quality
- Metallurgically bonded
- BKC's Sigma Bond™ plating for problem free solderability



Maximum Ratings	Symbol	Value	Unit	
Peak Inverse Voltage	PIV	85 (Min.)	Volts	
Average Rectified Current	$I_{avg}$	200	mAmps	
Continuous Forward Current	$I_{Fdc}$	500	mAmps	
Peak Surge Current ( $t_{peak} = 1 \text{ sec.}$ )	$I_{peak}$	1.0	Amp	
BKC Power Dissipation $T_L = 50^\circ\text{C}$ , $L = 3/8"$ from body	$P_{tot}$	500	mWatts	
Operating Temperature Range	$T_{Op}$	-65 to +150	$^\circ\text{C}$	
Storage Temperature Range	$T_{St}$	-65 to +150	$^\circ\text{C}$	
Electrical Characteristics @ 25 $^\circ\text{C}$ *	Symbol	Minimum	Maximum	Unit
Forward Voltage Drop @ $I_F = 400 \text{ mA}$	$V_F$	***	1.10	Volts
Breakdown Voltage @ $I_R = 25 \mu\text{A}$	PIV	85		Volts
Reverse Leakage Current @ $V_R = 50 \text{ V}$	$I_R$		100	$\mu\text{A}$
Reverse Recovery time (note 1)	$t_{rr}$		10	nSecs

Note 1: Per Method 4031-A with  $I_F = 10 \text{ mA}$ ,  $V_R = 6 \text{ V}$ ,  $R_L = 100 \text{ Ohms}$ . \* UNLESS OTHERWISE SPECIFIED