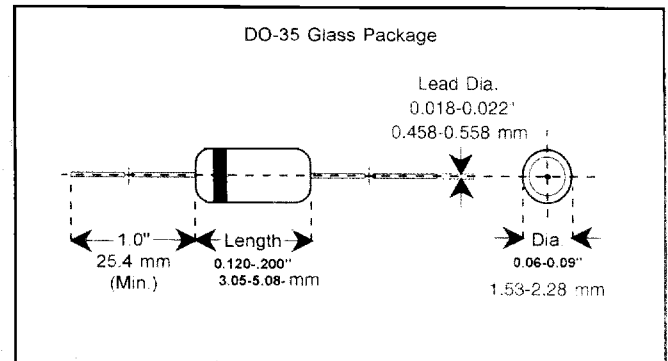


Applications

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
- LL-34/35 MELF SMD available
- Hermetic Glass Body
- Comparable to JANS
- Only Value Added Testing Used



Maximum Ratings	Symbol	Value	Unit	
Peak Inverse Voltage	PIV	100 (Min).	Volts	
Average Rectified Current	I_{avg}	200	mAmps	
Continuous Forward Current	I_{Fdc}	300	mAmps	
Peak Surge Current ($t_{peak} = 1$ sec.)	I_{peak}	1.0	Amp	
BKC Power Dissipation $T_c = 50^\circ\text{C}$, $L = 3/8"$ from body	P_{tot}	500	mWatts	
Operating Temperature Range	T_{Op}	-65 to +200	$^\circ\text{C}$	
Storage Temperature Range	T_{St}	-65 to +200	$^\circ\text{C}$	
Electrical Characteristics @ 25 $^\circ\text{C}$ *	Symbol	Minimum	Maximum	Unit
Forward Voltage Drop @ $I_F = 10$ mA	V_F	***	0.80	Volts
Forward Voltage Drop @ $I_F = 100$ mA	V_F	***	1.20	Volts
Breakdown Voltage @ $I_R = 100\mu\text{A}$	PIV	100		Volts
Reverse Leakage Current @ $V_R = 20$ V	I_R		25 (50000 @ 150 $^\circ\text{C}$)	nA
Reverse Leakage Current @ $V_R = 75$ V	I_R		0.5 (100 @ 150 $^\circ\text{C}$)	microA
Capacitance @ $V_R = 0$ V, $f = 1$ MHz	C_T		4.0	pF
Capacitance @ $V_R = 1.5$ V, $f = 1$ MHz	C_T		2.8	pF
Reverse Recovery time (note 1)	t_{rr}		5.0	nSecs
Forward Recovery time	t_{fr}		20	nSecs

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