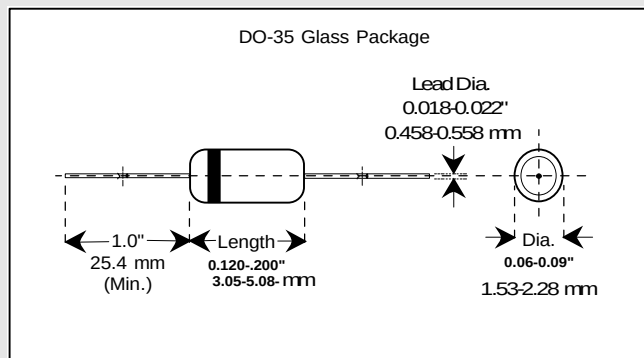


Applications

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
- Available up to JANTXV-1 levels
- "S" level screening available to Source Control Drawings-



Maximum Ratings		Symbol	Value	Unit
Peak Inverse Voltage		PIV	100 (Min).	Volts
Average Rectified Current		Iavg	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 _L =50 °C, L = 3/8" from body		P _{tot}	500	mWatts
Operating Temperature Range		T _{Op}	-65 to +200	° C
Storage Temperature Range		T _{St}	-65 to +200	° C
Electrical Characteristics @ 25 °C*	Symbol	Minimum	Maximum	Unit
Forward Voltage Drop @ I _F = 10 mA	V _F	***	1.00	Volts
Breakdown Voltage @ I _R = 5 μA	PIV	75		Volts
Breakdown Voltage @ I _R = 100μA	PIV	100		Volts
Reverse Leakage Current @ V _R = 75 V	I _R		5 (100 @ 150 °C)	μA
Capacitance @ V _R = 0 V, f = 1mHz	C _T		4.0	pF
Reverse Recovery time (note 1)	t _{rr}		4.0	nSecs

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

