

Silicon Switching Diode

1N457A

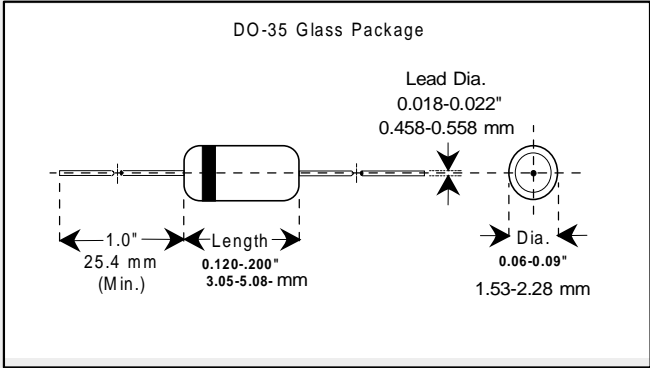
DO-35 Glass Package

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	I_{avg}	200	mAmps	
Continuous Forward Current	I_{Fdc}	300	mAmps	
Peak Surge Current ($t_{peak} = 1 \text{ sec.}$)	I_{peak}	1.0	Amp	
Max. Power Dissipation $T_L = 50 \text{ }^\circ\text{C}$, $L = 3/8"$ from body	P_{tot}	500	mWatts	
Operating Temperature Range	T_{Op}	-80 to +200	$^\circ\text{C}$	
Storage Temperature Range	T_{St}	-80 to +200	$^\circ\text{C}$	
Electrical Characteristics @ 25°C*	Symbol	Minimum	Maximum	Unit
Forward Voltage Drop @ $I_F = 100 \text{ mA}$	V_F	***	1.00	Volts
Reverse Leakage @ $V_R = 60 \text{ V}$	I_R	***	25	nA
Reverse Leakage @ $V_R = 60 \text{ V}, 100 \text{ }^\circ\text{C}$	I_R	***	0.005	mA



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