

LL-35 High Voltage / Current

1N5194UR
thru
1N5196UR

Low Leakage Glass Diodes

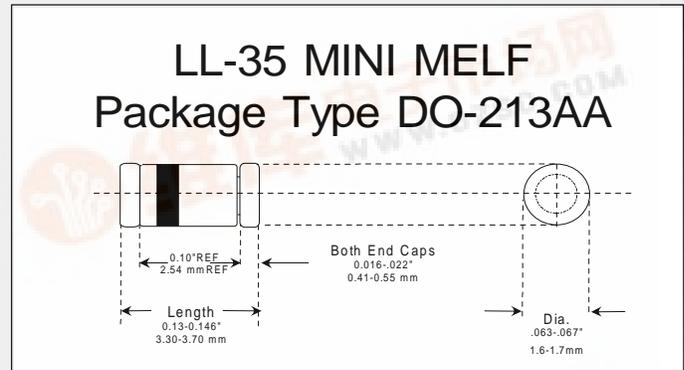
Use Advantages

Used in applications where the highest voltage and current performance of small signal devices are required.

In instrument applications for voltage isolation, pulse clipping and glue logic. Ideal for use in (Medical, Military and Aero/Space).

Features

- Six Sigma quality
- Humidity proof glass
- Metallurgically bonded
- Thermally matched system
- No thermal fatigue
- High surge capability
- Sigma Bond™ plated contacts
- 100% guaranteed solderability



Absolute Maximum Ratings	Symbol	Value	Unit
Power Dissipation at $T_{AMB} = 25^\circ\text{C}$	P_{tot}	500	mW
Average Forward Rectified Current at $T_{AMB} = 25^\circ\text{C}$	I_{AV}	200	mAmps
Operating and Storage Temperature Range	$T_{O\&ST}$	-55 to 200	$^\circ\text{C}$
Power derating at $T_{AMB} = 25^\circ\text{C}$	P_{α}	3.0 (Max)	mW/ $^\circ\text{C}$

Detail Specifications

Type	Peak Inverse Voltage (MIN.) @0.1 mA Volts	Maximum Reverse Working Voltage (V_{RMM}) Volts	Maximum Average Rectified Current (I_O) 25 $^\circ\text{C}$ mAmps	Maximum Rectified Current (I_O) 150 $^\circ\text{C}$ mAmps	Maximum Forward Voltage Drop @ $I_F = 100\text{mA}$ (V_F) Volt	Maximum Reverse Leakage Current (I_R) @ V_{RWM} 25 $^\circ\text{C}$ 150 $^\circ\text{C}$ nA μA	Maximum Surge Current (I_{FSM}) (NOTE 1) Amps
1N5194	80	70	200	50	1.0	25 5	2
1N5195	200	180	200	50	1.0	25 5	2
1N5196	250	225	200	50	1.0	25 5	2

Note 1: One half cycle, 60 Hz. sine wave.