

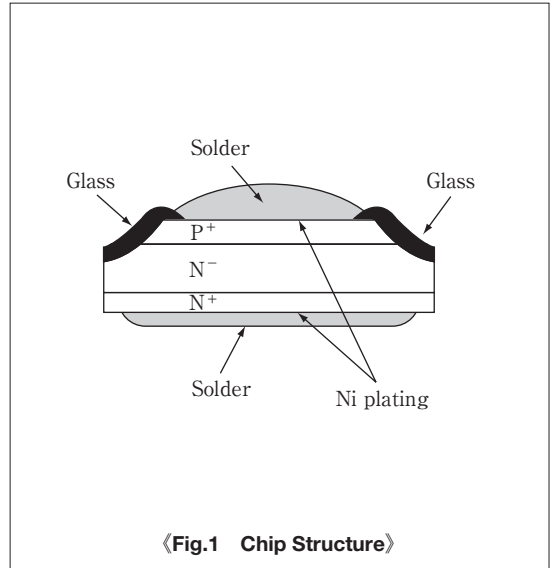
3. General-purpose Rectifier Diodes

[1] Applications and Features

Since general-purpose rectifier diodes can be made to have high withstand voltages relatively easily due to their structure, they are suited for rectification of commercial power supplies.

Their characteristics include maximum withstand voltage of 1600 V, and typical forward voltage of 1.05 V. Products are available that are able to accommodate commercial power supplies up to 400 V.

The chip structure is as shown in Fig. 1. Glass passivation is used for the exposed portion of the P-N junction. This original technology developed by Shindengen involves the formation of highly insulating, organic glass that is both physically and chemically stable. This results in a structure that offers excellent moisture and heat resistance.



III

[2] General-purpose Rectifier Diode Product Lineup

Shindengen Offers a complete lineup of general-purpose rectifier diodes to accommodate the ever-changing market needs. Fig.2 shows our product lineup of general-purpose rectifier diodes. This lineup includes products offering high withstand voltage, high I_{FSM} and low noise. All products use UL-approved materials(94V-0).

