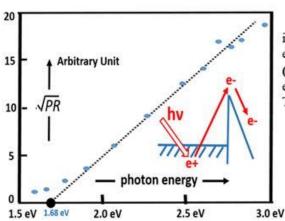
Schottky Barrier on Gallium Oxide

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The square root of the photocurrent normalized to the incident photon flux when plotted as a function of the photon energy results in a straight line for photon energies above ($\phi_B + 3 \text{ kT}$). The intercept for zero response of the extrapolated straight line yields a barrier height of 1.68 eV. Typical photo response data is presented in Fig. 8.

Fig. 8: Photo Response of Ga2O3-Au Schottky Barrier

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Figure 8 shows the typical Photo Response curve of

 ${\it Ga2O3}\mbox{-}{\it gold}$ metal Schottky Barrier.

The square root of the photocurrent normalized to the incident photon flux

when plotted as a function of the photon energy results in a straight line for photon energy.

The intercept for zero response of the extrapolated straight line yields a barrier height of 1.68 eV. 29