



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  $(\phi_B + 3 kT)$ . 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 Ga<sub>2</sub>O<sub>3</sub>-Au Schottky Barrier



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Figure 8 shows the typical Photo Response curve of Ga<sub>2</sub>O<sub>3</sub>-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.