SEMICONDUCTOR PHOTOMULTIPLIER DEVICE

ABSTRACT

According to embodiments of the present invention, a semiconductor photomultiplier device is provided. The semiconductor photomultiplier device includes a substrate having a front side and a back side, a common electrode of a first conductivity type adjacent to the back side, and a cell including an active region of a second conductivity type adjacent to the front side, and a contact region of the second conductivity type adjacent to the front side, the contact region being spaced apart from the active region by a separation region.

Figure 3B