

Re: Dead Black

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- *From:* "Marc Reinig" <Marco@xxxxxxxxxxxxxxxxxxxx>
 - *Date:* Sat, 19 Apr 2008 11:45:55 -0700
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I'm also concerned that there's no real seal between the lens holder plastic and the PCB, but I can solve that easily enough with some black paint that will wick into that joint.

I'd use larger lenses too, but we're mechanically constrained from that.

If the seal is to keep out light, you're fine with black paint. However, if it is for humidity, use an appropriate epoxy or sealing ring and check if the rest of the lens is hermetic.

Marco

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"dbvanhorn" <microbrix@xxxxxxxx> wrote in message
news:85892652-8f7f-4e1a-9c83-6cab56c7284@xx

In most cases the black plastic lens holder screws to the PCB, but it's square base covers the entire image sensor chip.

That's how it is on these.

This base should block light from the mounting screws and solder joints on the PCB from reaching the image sensor surface.

On these, there are solder joints and vias near the imager, under the housing.

Re: Dead Black

The inside of the lens holder may be shiny black plastic which may not be ideal for attenuation of stray light. However, cost is a driving factor with these types of components. To get a better optical black finish on the inside would probably drive up the cost too much.

Well, I'm not that cost sensitive, I'm just trying to get a handle on how much improvement I could get. I have to use these in everything from barely moonlight to "staring into the sun, on the snow pack, at noon"

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