

Simple problem: 0.20 V drop

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Hi all,

This is a well-known problem (for those using old cameras...):

Mercury oxide cells have a pretty flat 1.35 V open circuit voltage. They have however been banned in many countries. The best replacement would seem to be silver oxide which has a voltage of 1.55 V.

the current drawn (by the exposure meter) is low.

So, I'd like to drop 0.20 V along the way somewhere.

- a) Zener diodes: don't go down to 0.2 V
- b) Schottky diodes: supposed to have a forward drop of 0.15 to 0.45 V at 1 mA (according to wikipedia) but the drop is current dependent and varies between samples.
- c) Germanium diode?
- d) voltage divider with a FET follower? a JFET ?

Is there a standard / best way to do this (with few, smd components)?

Thanks,

colin

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