

Protecting ADC Inputs

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I'm built a circuit board for my Analog card. My normal inputs will be 0-5 vdc but the max allowed on the ADC is 10 vdc.

I was thinking about putting some zeners across the input circuit so the voltage will never go above 10 volts. I left a space from each input to ground for a surface mount 1/2 watt resistor. These were there so we could do a 4-20ma conversion.

So, First, will zeners work without affecting my normal input voltage?
Second, are zeners available close to the 10 volt range?

Any better simpler solutions?

Thanks,
Richard

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