

Re: Differential probes

of the
P5205 turns
low-level
stuff to
mush.

John

It won't have the CMRR of
a true diff amp.

The TPS2024 is truly isolated to 600 volts
RMS

So what? That has nothing to do with differential amp
performance.
All that means is the front ends are isolated from the case to
600 V.

That sure sounds differential to me. And it sure lets me measure stuff
that nothing else can.

almost differential.

You can surely count on unmatched input impedance.

It'll probably work ok on a low impedance circuit, but try to measure a diff
voltage in a 10K impedance circuit. You might have some surprise.

The only asymmetry in the TPS2024 is the roughly 35 pF from the
channel common to scope ground. That will matter in higher-frequency
situations where the circuit floating common cares, which is unusual.
Most of the time, we are measuring against a fairly stiff "floating
common."

John

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