Using .5mohm vs 1mohm 4 terminal resistor?

Although the cost and sizing of both parts remain the same, and ideally 0.5mohm resistor would make a lot of sense. However, I had to go with 1mOhm resistor due to the fact that at practical usage, there is resistance contributed from the solder and traces. This will cause error in measurement, thus a higher valued resistor was implemented.

Fuse consideration?