

$$R_{lim} = ~~1000~~ 1060 \Omega \approx 1k\Omega$$

R_{ACC1+2} are lead imp. assumed 0

$$Z_{min} = \sqrt{(R_{lim} + R_{ACC1} + Z_{UNK_{min}} + R_{ACC2})^2 + (X_{C1501min} + X_{C1502min})^2}$$

$$Z_{min} = \sqrt{(1000 + 0 + ~~100~~^{50} + 0)^2 + (0+0)^2}$$

1
ISO caps are 0 R_{lim}
is sufficient for
IEC 60601

$$Z_{min} = 1.05 k\Omega$$

$$R_{TIA} = \frac{900mV_{peak}}{571\mu A_{peak}}$$

$$I_{max} = \frac{600mV}{1.05K} = 0.000571A = 571\mu A$$

$$R_{TIA} = 1.57 k\Omega \Rightarrow 1k\Omega R_{TIA} \Rightarrow R_{CAL} \text{ needs to be } 1k\Omega$$