The efficiency and noise rate as a function of the voltage for 100% $C_2H_2F_4$

The efficiency and noise rate as a function of the voltage for $C_2H_2F_4$ / i-$C_4H_{10}$ : 90/10 volume ratio

The linseed oil coating is done before making the gas gap. The advantage of this procedure is that after linseed oil coating it can be checked visually whether the curing is properly done or any uncured droplet of linseed oil is present.

- ~ 2 g of linseed oil is applied over each surface. Based on the specific gravity (0.930 at 15.5°C) of the fluid, the estimated coating thickness would be ~ 30 μm
- For 100% $C_2H_2F_4$
  @Threshold: -15 mV
  efficiency ~95%   noise rate ~500 Hz/cm^2
- For $C_2H_2F_4$ / i-$C_4H_{10}$ : 90/10
  @Threshold: -20 mV
  efficiency ~85%   noise rate ~200 Hz/cm^2
- For $C_2H_2F_4$ / i-$C_4H_{10}$ : 90/10
  @Threshold: -20 mV
  efficiency ~95%   noise rate ~120 Hz/cm^2
  @Threshold: -25 mV
  efficiency ~95%   noise rate ~90 Hz/cm^2