**PMOS CALCULATIONS**

**NOTE:** Calculations were performed assuming **ALL** strain gauges are connected. The resistance changes as strain Gauges are disconnected. Though it should be fine if we disconnect some.

For a PMOS

A diagram of a pulse

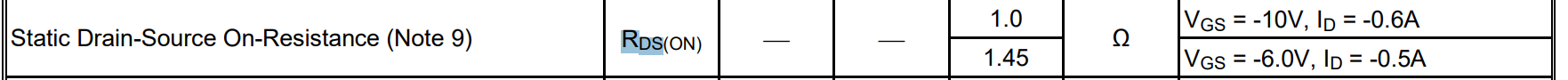
AI-generated content may be incorrect.

Figure **Similar model** was run in stimulation, however not the same as what we choose

CUTOFF REGION:

YES IT can turn off

TRIODE REGION: (FULLY ON)



**ASSUME IN TRIODE REGION**

Our when turned on so we can **assume**

The unknown is

Very ON!

# Bypass capacitor calculations as PMOS switches 1KHz. Check LTSPICE documentation for more indepth stimulation

I\_load = 114mA

Delta T = 0.5ms

Delta V = 0.5V <- just setting it as such

I = C dV/dT

C = I \* dT/dV

C = 114mA \* 0.5ms / 0.5

= 114 uF ~= 100uF

A screen shot of a graph

AI-generated content may be incorrect.