Diagram, schematic

Description automatically generatedP1

Chart

Description automatically generated

For RL=1000 ohms

Vs:

Chart, line chart

Description automatically generated

Vi:

Chart

Description automatically generated

Vo:

Chart

Description automatically generated

For RL=270

Vs:

Chart, line chart

Description automatically generated

Vi:

Chart

Description automatically generated

Vo:

Chart

Description automatically generated

P3:

Diagram

Description automatically generated

Vi:

Chart

Description automatically generated

Vo:

Chart

Description automatically generated

Id:

Diagram

Description automatically generated

Chart

Description automatically generated

P4:

Max voltage = 8-2\*0.7 = 6.6V

Vr= 6.6 / (2\*500\*10-6\*5600) = 1.179

Vo= 6.6 V

Vr=1.179 V

Diagram, schematic

Description automatically generated

For RL=5.6k ohm

Vs:

Chart, line chart

Description automatically generated

Vi:

Chart, line chart

Description automatically generated

Vo:

Table

Description automatically generated with medium confidence

RL=560 ohms

Vs:

Chart, line chart

Description automatically generated

Vi:

Chart, line chart

Description automatically generated

Vo:

A picture containing chart

Description automatically generated

RL=56 ohms

Vs:

Chart, line chart

Description automatically generated

Vi:

Chart

Description automatically generated

Vo:

A picture containing graphical user interface

Description automatically generated