1 -Vin-1,00 Hun very 2xoge JEXY small

int of recence for e. A July for current.

Vallage Divider. 1 10005 das to div fle voltage between 2 tesistors. Peretore avoniva you to step down the voltage from a power supply. To day other witage you require. $V = J \cdot R \quad V_i = i \cdot R_1 + R_2$ $V_0 = i \cdot R_2$ Sinci i is the same couse it is a series circul 1 source every-viere 50. TORTHEZ

Vini R1+R2

Lo vot very high We CAMOST assume Vin Wein trinite of air of OP. AMP.

how does it affect PERFORMANCE We this 25 we om see a resistive So we know that $\frac{1}{12}$ R2 VA= VO P1+P2 $\sqrt{out} = \sqrt{in} - \sqrt{in} - \sqrt{o}$

 $\frac{1}{1} - \frac{1}{1} = \frac{1}$ One of the imput 15050 Ofter one has to be near Dag

hode x (intrological Cho) very close

Current through M Ri Nint since IXND Tirellin has high Imperance

1) goes draind the loop.

Then through he there of duf.

Vin 19 = 1 - Vout

Part of the out - Vin Re

Reserved.

50 He Gain Vout = R2 Vin The different le 2 is. Input Impedance along mits of lex parameters. /in(+) 4> Vin(-) 3 Input Inpapproximately -