

Vin Revort = Vin Direction of this is a sure of the regardine route of the regardine route.

Small signal model

Yout = ie R

Small signal model

Yout = Vin × Re (1+B)

Re(HB)+R, +YH

Re(HB))

Rout = Re // R, +YH

(Re(1+B))

Rout = Re // R, +YH

(HB)

Note: 8 - Ic - Bias Resistance (4)

=> Smaller 8 at => Smaller Bias Resistance

=> Most Preferably change Re

Olp is following the 1/p.

Costant Voltage
Dogo of 0.74. (Because of VBS)

 $T = 0.693(R_{0}+2R_{b})C = 10^{-3}$ $\frac{R_{0}+R_{b}}{R_{0}+2R_{b}} = 0.8$ $R_{0}+R_{b}=1154.4 \quad 0.693(R_{0}+2R_{b})10^{-6}=10^{-3}$ $R_{0}+2R_{b}=1443$ $R_{0}=288.5$ $R_{0}=288.5$ $R_{0}=288.5$ $R_{0}=288.80$

To At = 180 MS

To At = 840 MS

To Suo = 840 MS

To = 840 MS

To = 840 MS

To = 840 MS