8 Sep 2016

4

1V P-P \$50 \(\text{Rm} \sigma = \frac{\frac{1}{2\sigma}}{2\sigma} \)

J&m = 10/00/10 (213)/5062 2 4dBm

Factor of 2 -> 31R

IV Rms = 13dBm

148Bm 345Bm 49 BW 1098 - 5018 -Solitter

 $I_N = I_{SC}$ $R_N = V_{6c}/I_{SC} = R_{TH}$



$$I_{SC} = \frac{6V}{1h} = 6mA$$

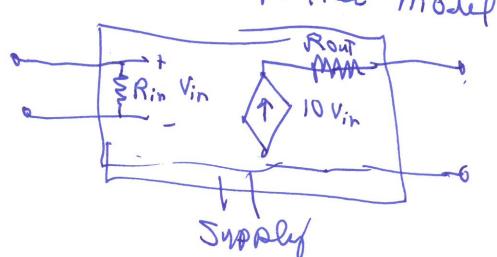
or

Alt. Calc of RTH

Suppress the source



Depondent sources current controlled Voltage Source V2= 11, V, -> V V, -> 12 eg. voltage amplifier modef



2 V (7) 1992I, SIK

Noc 5

 $KVL - 2V + 1k I_1 + 200 I_1 \times 1k = 0$ $I_1 = \frac{2V}{201K}$

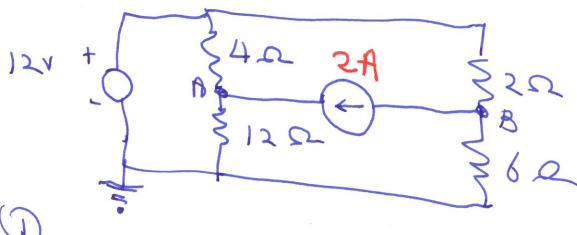
VED = 4H = 2000/KX 2V = 199V

KCL Izc = I, + M971, = 2001,

 $\frac{\text{KVL}}{\text{R.}} = \frac{2\text{V}}{\text{IR}}$ $R_{...} = \frac{2\text{V}}{\text{IR}}$

RTH = 4.98-2

Superposition



12 V AB = (

408 AB = 9V 1208 60

VAB = VABO + VABO = 0+9V=9V

10 L=2H 50a 1001 TUBOD K C=200 4F 50v 400HX W=211+ 72= (R_+jwL)|| 1 jwc