Analog Signal Procursing CT-4 Pratywh Taimed 18 EE 35014 for uncorrelated , sussigned Vno2 = Vn12 + Vn22 3 102 = Vn2+ 6.12 $V_{h1}^{2} = 10^{2} - 6.1^{2}$ z Vn = 7.924 4 V. o Reg. Reduction = (124-7.924) HV = 3.476 V. Vm = 20.6mV SR = 0.6 V/M. times & mplitule of output: Vomer. hain = 57.5 = Grein & Vnc (inget) = 57.5×20.6 mV fmax = 2xx rainx Vm 2Tx 575x 20.6 Y10-1 8/1/2 0-6410+6 80.618 Mz.

Low pas bec filser. wan k=1 1+ 4 Current pour spectral derinty = (no (t) = 4 bot R. 2x 1.38x10-23 x300 1.6×10-19 × 1×106. 5.175×10-8A 51-X5 MA

Here,
$$\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$$

1.515 V.

7) [1] (102) 2 of = [1002 ln t] 1 nv [[] (10) of = [100x1000 = 100. shird, 100 (It) Pat = [100) or m [100]

for kth egu Here, 2 Vref & C Z & Vin G. Lz = 1 >1 4R C2 = 8c $c_3 = \frac{8c}{1} = 80$

H HEN

2in = (Sc) (1+SCR). Vont = Zin R-12in. = 1+52c2paRx. Us= JR/RCZ. = RRJE. DE DC gam = I Q =0 (wyf of 5=0). Wo = (vxxx10x) (vx10). 5 0000°

outhor of Ist oparp = n. * a 11 VIA - Pr. 2 - P2 VIN. 2 - Vo 21 2 = - VOP2 -R2 VEN = -1.0P2 100 = 2 Vin / 1/1 - VS It Ziva YN 12N-VO 12N-- 1 th the

- R1-4 - 6.825 kg

013: $[or, Equivalent cht, \\ [v]_{R} = 2R$ = 32bR = 31R

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