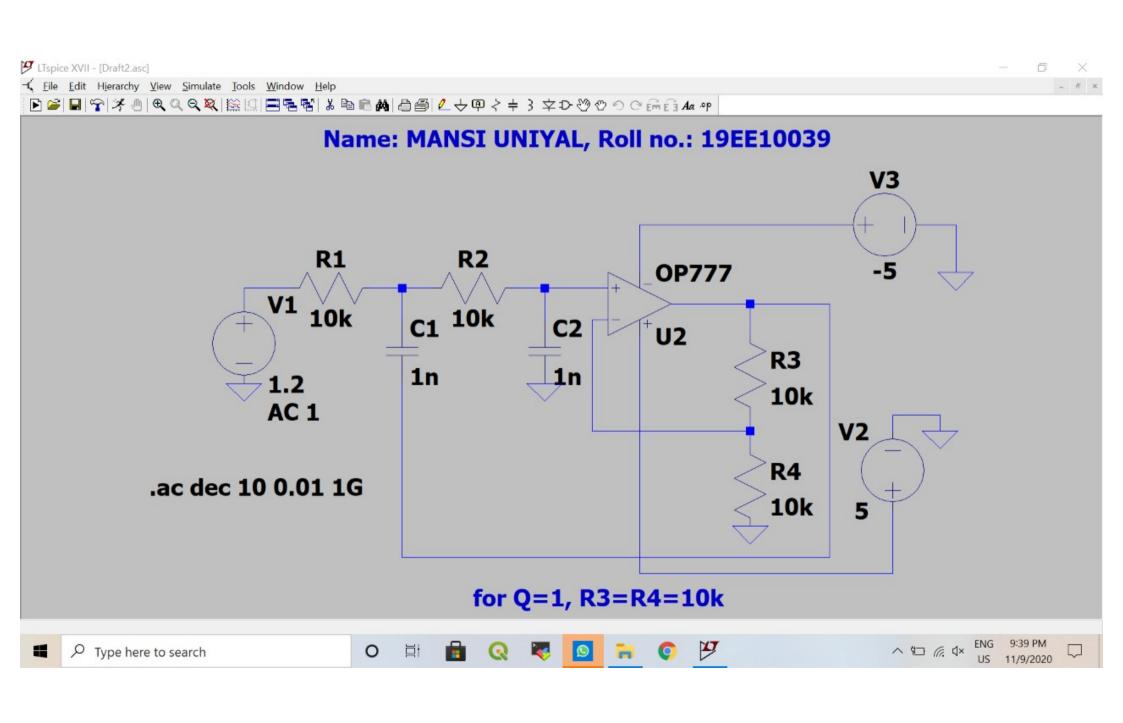
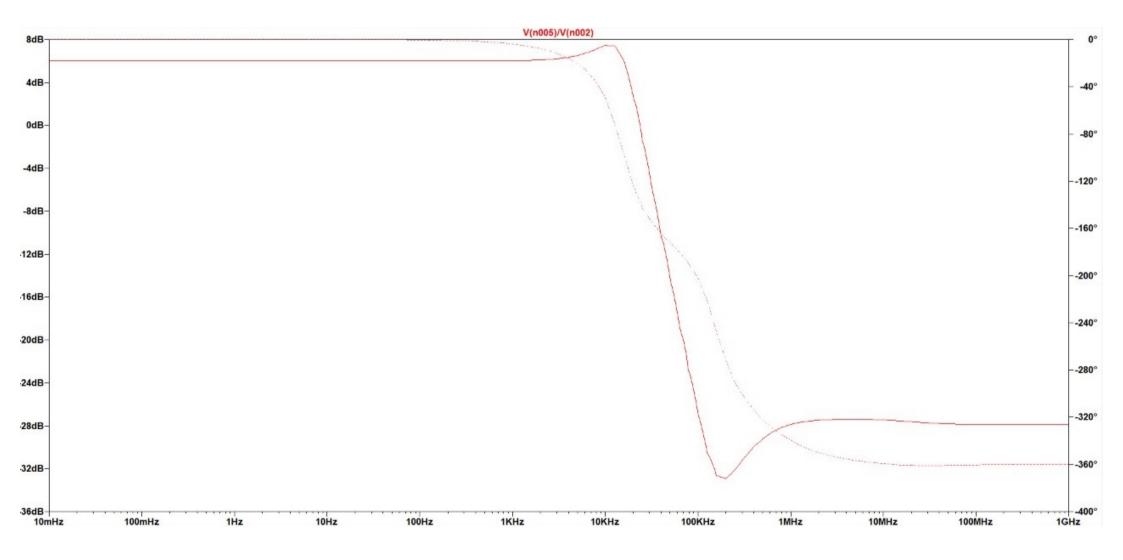
19E+	10039
Man	si Uniyal.
	Page
Exp4	· Active Low Pars Filter.
Afmo	To familarize with 2nd order sallen key
	www pan fitters
	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Given Ry=R2=10KS2=Ro
	G=C2=InF=C05.101
care	eD. g=1.
	Q=1 = 1/x H 31 CR = 2
	3-K.
	where K=1+Rf : Rf=R
	Regar
	I I
	2TT Rolo Commentée
	1. cut of frequency
	:. Rf=10K-2 is 15.92KHz.
	R=10KI 2. Donneping factor
	Fc=15.92KHz. (Z=1)=0.5.
	28
	3. At cut of freq.
	plek of gain is
	maximum and
	then reduces.
	4. At this point,
	filter is undamped
	and phase shift of -T1/2.

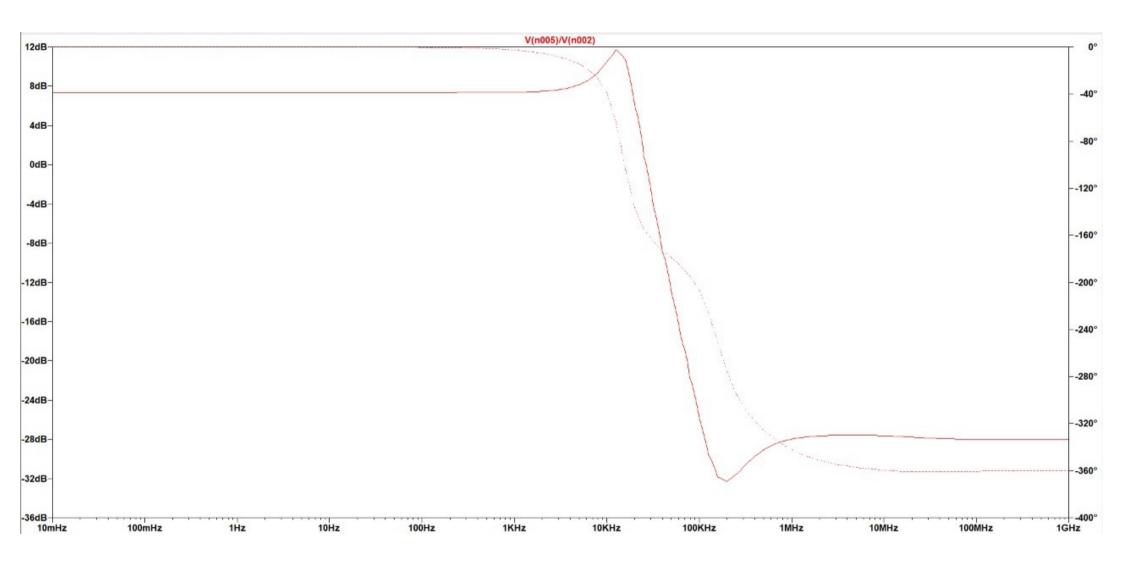


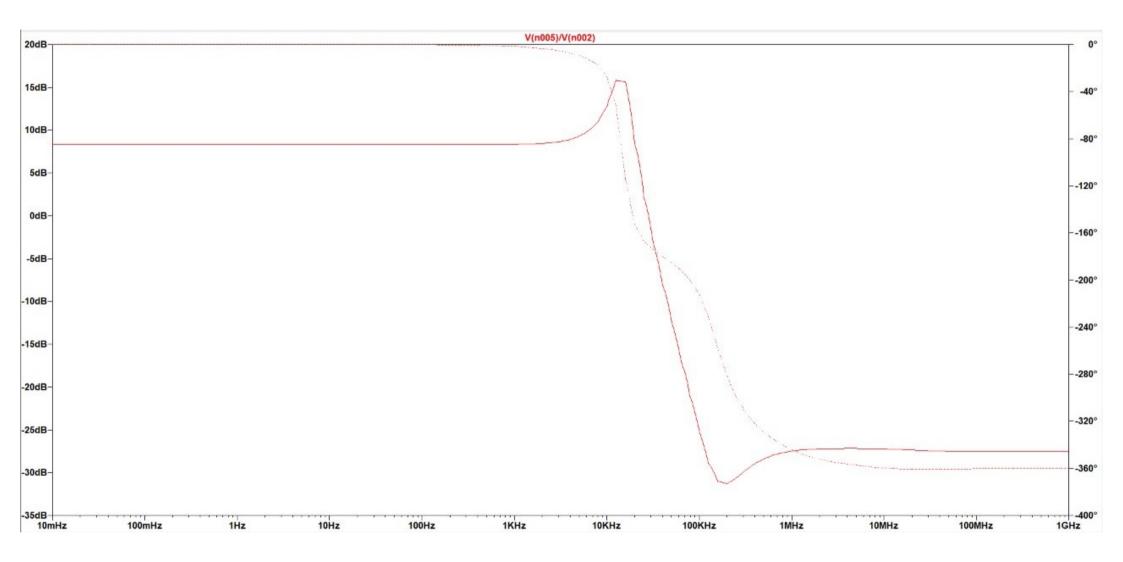
	15 . 17
	Given Ry = R2=10KS2=Ro
	G=C2=InF=C05.1011
cas	eD. g=1.
	Q=1 = 1.xH:: CR=2-
	3-K.
	where K=1+Rf :. Rf=R
	R
	F _c = 1
	2TT Rolo Comments:
	1. cut off frequency
	:. Rf=10K-2 is 15.92KHz.
	B= 10 KIL 2. Domping factor
	Fc=15.92KHz. (Z=1)=0.5.
	3. At out of freq.
	peck of gains
	marinum and
	then reduces.
	1. Al Wile paint
	4. Atthis point,
	filter is undamped on phase shift of TY2.
	and phase stuff of 192.



given Ry=R2=10K52=Ro G=C2=1nF=40 Di case @ 9=1.5: 0=1=1 3-K 2-RF ·2-Rf = 2 : Rf = 4
R 3 let Rp=40 KSL = 30K-52 FC = 1 = 15.92 KHz. ... Q = 2.5case (3) Q=2.5=1 2-Rf : Re= 2-2 = 8 Cet Rf = 80K52 Fi = 1: 1= 15.92 KHZ. - 211Rolo.

nmm	ents:
(-	for Q=2.05, gain is miximum than Q=1.05
	borde peet.
2.	value of damping factor (2) for:
	Q = 1.05 $Z = 0.083$. Q = 2.5 $Z = 0.2$.
8	The man while is - No.
4	But the frequency (FC.) for: (observed)
	N=105 to=2000TANA
	D 705 1 - 7 7011 KHZ:
5.	As (=) danipsing factor inemares, oversnoot in gain inemares near (Fe)
	cutoff frequency





given Ry= R2= 10K-2=Ro G=C2=1pF=co. Q=2.5 (ase(4) comments: 1. Dmitic change in te cutoff 4 requent 2. Fr observed Re=80K-2 289084KHZ R = 50 KSZ 3. Prase Shift FC = 1 = [15.92MHz of -11/2 4. BORADH MON Smooth 5. lesser capacitive value. tugher range freq filter

