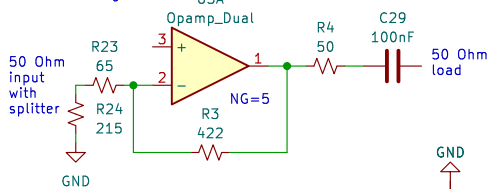


	1	2	3	4	5	6
A	<div>amplifier</div> <div>File: amplifier.kicad_sch</div>					A
B						B
C						C
D	<div></div> <div>Sheet: / File: odyssey2.kicad_sch</div> <div>Title:</div> <div>Size: A4Date:KiCad E.D.A. kicad 7.0.1</div> <div>Rev:Id: 1/2</div>					D
	1	2	3	4	5	6

Thetis PA Coefficient
for 30 dBm in output:
160: 50.9
80m: 51.2
60m: not tested
40m: 50.9
30m: 49.7
20m: 49.1
17m: 47.5
15m: 46.6
12m: 45.5
10m: 43.8
6m: useless
use capacitor
on feedback

OPA2677 Rf and Rg calc
 $R_i = 22 \text{ Ohm}$
 $Z_i = R_g || R_m$
 $R_{gg} = (Z_i || R_m) + R_g$
 $NG = 1 + R_f/R_{gg}$
 $R_f = 490 - NG \cdot R_i$
 R_f = better from graph

The right OPA2677
configuration
U3A



use only +12V
not 13.8V.
seems there is
no improvement on
IMD tests:
The output is
well below the
distortion voltage

+5V

FerriteBead_Small

IC1

OPA2677U

OUTA

OUTB

OUTC

OUTD

OUTE

OUTF

OUTG

OUTH

OUTI

OUTJ

OUTK

OUTL

OUTM

OUTN

OUTO

OUTP

OUTQ

OUTR

OUTS

OUTT

OUTU

OUTV

OUTW

OUTX

OUTY

OUTZ

OUTAA

OUTAB

OUTAC

OUTAD

OUTAE

OUTAF

OUTAG

OUTAH

OUTAI

OUTAJ

OUTAK

OUTAL

OUTAM

OUTAN

OUTAO

OUTAP

OUTAQ

OUTAR

OUTAS

OUTAT

OUTAU

OUTAV

OUTAW

OUTAX

OUTAY

OUTAZ

OUTBA

OUTBB

OUTBC

OUTBD

OUTBE

OUTBF

OUTBG

OUTBH

OUTBI

OUTBJ

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OUTFI

OUTFJ

OUTFK

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OUTFM

OUTFN

OUTFO

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