

page 5

para 1 10mA → 10 mA

para 3 2-3mV → 2 ~ 3 mV, 10-15mV → 10 ~ 15 mV, LTP's → LTPs, 10mA → 10 mA, 250mW → 250 mW

para 5 33k → 33 k

page 6

para 3 1k → 1 k, 10k → 10 k

para 4 16mA → 16 mA, 1.1W → 1.1 W, 33ma → 33 mA, 2.3W → 2.3 W, 70V → 70 V

para 5 As far as I can tell, part numbers NJW1381 and NJW1302 do not exist. As you are using three-terminal devices (i.e. not ThermalTrak) presumably these part numbers should start "M" not "N"? 0.33W → 0.33 W, 4W → 4 W. Erroneous new line between "provide local" and "feedback and aid"

page 7

para 2 1uH → 1 μH, 15k Ω → 15 kΩ, 1W → 1 W, 1W → 1 W

para 3 1000uF → 1000 μF, .1uF → .1 μF

para 5 40A → 40 A, 50uS → 50 μS, 10A → 10 A, the "C" in "°C" seems to be a different font to the rest of your text (is this because you used Word's equation editor to get the degree symbol? This isn't necessary - you can get a degree symbol in your chosen font from Windows' or OS X's built-in character palette), 0.6V → 0.6 V

page 8

Either the distribution of the text in the footer needs to be adjusted so that [www.hifisonix.com](http://www.hifisonix.com) appears centred and the page number right-adjusted, or the orientation of the page should be put back to portrait. My preference is for the latter; this is better if the document is printed (orientation on screen can easily be changed) and is consistent with your page 13

page 9

para 1 150V → 150 V, 2SA1381and → 2SA1381 and

para 2 10uF → 10 μF, 25V → 25 V, 1uF → 1 μF, 1nF → 1 nF, 1000V → 1000 V, 30V → 30 V

para 4 0.3K/W → 0.3 K/W, 0.25K/W → 0.25 K/W, 10mm → 10 mm, 10mm → 10 mm, 3mm → 3 mm

footnote 2 1kV → 1 kV, 1nF → 1 nF, 1kV → 1 kV, 1nF → 1 nF, 630V → 630 V

page 11

para 1 "I used a common transformer and which feeds" → "I used a common transformer that feeds"

para 2 8.2mF → 8.2 mF, 80V → 80 V, 41mF → 41 mF, 35A → 35 A

para 3 70u → 70 μm, PCB's → PCBs, PCB's → PCBs, 3.3Ohm → 3.3 Ω, 20cm → 20 cm

Let's interlude here for a technical comment - you state that if you swap speaker ground return and the decouple ground, this would add signal "noise" to the decouple ground, which would then be coupled by the decoupling caps to the supply rails. This may be true but is mitigated by high PSRR of the signal stages. However, your proposed configuration adds decoupling noise between the speaker return and the feedback reference point - this cannot be mitigated in any way. Feedback tries to make the difference between feedback ground/reference and feedback takeoff point (i.e. usually before an output inductor) equal to the demand signal × gain. In your system, your speakers will see this output signal, plus any noise induced in the decouple-to-speaker-return ground wire. Also it strikes me that there must be substantial inductance in your supply decoupling connection, so how effective is your decoupling really at high frequencies?

page 12

para 1 PCB's → PCBs

para 2 1kVA → 1 kVA, 2kVA → 2 kVA, 18Kg → 18 kg (note case of "k")

para 3 750VA → 750 VA, 750VA → 750 VA, 5Kg → 5 kg (note case of "k"), 15kg → 15 kg

para 4 13Kg's → 13 kg (note case of "k"), 24Kg → 24 kg (note case of "k"), 18Kg → 18 kg (note case of "k"), 6Kg → 6 kg (note case of "k")

page 13

Figure 2 label - "is important order to" → "is important in order to"

page 16

para 1 2mm → 2 mm, 2.6mm → 2.6 mm

para 3 0V → 0 V, +-1.4V → ±1.4 V, 35A → 35 A, 200A → 200 A

para 5 3-4mm → 3 ~ 4 mm, 2mm → 2 mm, 10mm → 10 mm, 12kg → 12 kg, 3mm → 3 mm

page 18

is blank?

page 19

has no footer, should have orientation changed to portrait to be consistent with page 8 and 13

page 20

para 2 1950's → 1950s

page 21

para1 1980's → 1980s, 1980's → 1980s, SR's → SRs, SR's → SRs, 6dB → 6 dB

section 7.2 sub-heading JFET's → JFETs

para 3 JFET's → JFETs, VFA's → VFAs

page 22

line 1 JFET's → JFETs

line 8 JFET's → JFETs

line 11 JFET's → JFETs

footnote 10's → 10s or tens, 100's → 100s or hundreds, mV's → mV

page 23

para 2 JFET's → JFETs, JFET's → JFETs, SR's → SRs, 10-15mV → 10 ~ 15 mV, Hfe → hFE, 10uV/C → 10 μV/°C, JFET's → JFETs, 2mV → 2 mV, Hfe → hFE, 2-3% → 2 ~ 3%, Hfe → hFE, EOL'd → EOLed, JFET's → JFETs

page 24

footnote 30pF → 30 pF, 150pF → 150 pF, 25pF → 25 pF

page 25

para 1 LTP's → LTPs, 10mA → 10 mA, 5mA → 5 mA, 0.5V → 0.5 V, LTP's → LTPs, -3dB → −3 dB (replace "-" with proper minus character (available in Windows' character palette)), 350KHz → 350 kHz (note case of "k"), 25pF → 25 pF, 155V/us → 155 V/μs, +-0.6V → ±0.6 V

page 26

para 1 +-0.6V → ±0.6 V, 25kHz → 25 kHz, +-1V → ±1 V, 100ns → 100 ns, "as a result the output it is likely" → "as a result the output is likely"

para 2 0pF → 0 pF, 1.5V → 1.5 V, -3dB → −3 dB (replace "-" with proper minus character), 720kHz → 720 kHz, 2us → 2 μs, 0.3V → 0.3 V, 100ns → 100 ns

page 27

para 1 -3dB → −3 dB (replace "-" with proper minus character), 350KHz → 350 kHz (note case of "k")

para 3 (numbered "1.") 2us → 2 μs  
para 4 (numbered "2.") 5-10ma → 5 ~ 10 mA  
para 5 (numbered "3.") -3dB → −3 dB (replace "-" with proper minus character), KHz → kHz, 100ns → 100 ns  
para 6 (numbered "4.") tradeoff's → tradeoffs or trades-off if you want to be really fancy

page 28

para 1 "Figure 7 details the options looked at and from left to right they are an ideal" → "Figure 7 details the options looked at, and from left to right they are: an ideal", LTP's → LTPs, -147dB vs 154dB → −147 dB vs −154 dB (replace "-" with proper minus character), -126dB → −126 dB (replace "-" with proper minus character)

para 2, line 2 -ve → −ve (replace "-" with proper minus character)

page 29

para 1 10Hz → 10 Hz, 200Hz → 200 Hz, 20KHz → 20 kHz (note case of "k"), 10MHz → 10 MHz

Figure 9 caption -ve → −ve (replace "-" with proper minus character)

para 2 2mV → 2 mV

footnote 1ppm → 1 ppm, LTP's → LTPs

page 30

para 1 Vbe → Vbes or 'Vbe's, or subscript the "be", 1-1.5V → 1 ~ 1.5 V, 3V → 3 V, 5mA → 5 mA, LTP's → LTPs, 2-3ppm → 2 ~ 3 ppm, LTP's → LTPs

para 2 servo's → servos, 1000uF → 1000 μF, 16V → 16 V, 1MHz → 1 MHz, 0.1uF → 0.1 μF, hfe → hFE (assuming you matched measured DC beta rather than ac beta)

footnote 50mVRMS → 50 mV RMS, 1ppm → 1 ppm, 20KHz → 20 kHz (note case of "k")

page 31

para 1 5mV → 5 mV, both "C"s in "°C" are a different font to the rest of the text, 1mV → 1 mV

para 2 100Vpk-pk → 100 V pk-pk

page 32

para 1 12dB → 12 dB, 83dB → 83 dB, 71dB → 71 dB, 2pF → 2 pF, 3pF → 3 pF, 20ppm → 20 ppm, 30ppm → 30 ppm, 20KHz → 20 kHz (note case of "k")

para 2 100Vpk to pk → 100 V pk-pk, 20KHz → 20 kHz (note case of "k"), 10k → 10 k, 6ppm → 6 ppm

para 3 10mA → 10 mA, 3-4us → 3 ~ 4 μs, 20KHz → 20 kHz (note case of "k"), 50ns → 50 ns, 1.2pF → 1.2 pF

page 33

para 2 "parasitic ringing in of the VAS" → "parasitic ringing in the VAS", "VAS and the mosfets input" → "VAS and the MOSFETs' input", "Bottom line: Sticky" → "Bottom line: sticky"

figure 12 caption Without → without, 50V → 50 V

para 3, last line "For now, this probably" → "For now, this is probably"

page 34

para 1 LTP's → LTPs, 150W → 150 W, 30dB → 30 dB, 1mW → 1 mW

para 2 KHz → kHz

page 35

para 1 Mosfets → MOSFETs, 300MHz → 300 MHz, 10x → 10× (replace "x" with multiplication character), 20x → 20× (replace "x" with multiplication character), 30-100 Ω → 30 ~ 100 Ω

para 2 120mA → 120 mA, 150mA → 150 mA, 200mA → 200 mA, 600mA → 600 mA, 800mA → 800 mA, +-65V → ±65 V, 104W → 104 W

para 3 20KHz → 20 kHz (note case of "k"), 1ppm → 1 ppm

para 4 30-40% → 30% ~ 40%

page 36

para 1 6mA → 6 mA, 4mA → 4 mA, 200W → 200 W, 15A → 15 A, Ft's → Fts with subscript "t" or 'Ft's, 30MHz → 30 MHz, 20KHz → 20 kHz (note case of "k"), Ft's → Fts with subscript "t" or 'Ft's, 2MHz → 2 MHz, 3-4 → 3 ~ 4, 0.65V → 0.65 V, 2.5V → 2.5 V

para 3 1960's → 1960s

para 4 10ppm → 10 ppm

para 5 NJW → MJW, NJW → MJW

para 6 EF3's → EF3s, EF2's → EF2s, 10's → 10s or tens

page 37

50ppm → 50 ppm

page 38

para 1 +-65V → ±65 V, 80Hz → 80 Hz, 1KHz → 1 kHz (note case of "k"), 3-4 Ω → 3 ~ 4 Ω, 1KHz → 1 kHz (note case of "k"), 100Hz → 100 Hz, 10A → 10 A, 30A → 30 A, 50ms → 50 ms, 40A → 40 A, 50us → 50 μs, +-65V → ±65 V, 1ms → 1 ms, 18A → 18 A, 90A → 90 A

page 39

para 2 52mV → 52 mV, 52mV → 52 mV, 26mV → 26 mV

para 3 -1.95mV → -1.95 mV (replace "-" with proper minus character), -2.2mV → -2.2 mV (replace "-" with proper minus character), 1k Ω → 1 kΩ, 10k → 10 k, 20k → 20 k, 10k → 10 k, both "C"s in "°C" are a different font to the rest of the text, 20k → 20 k, 52mV → 52 mV, 22-27 C → 22 ~ 27 °C, 65C → 65 °C

page 40

para 1 65 C → 65 °C, 12-17 C → 12 ~ 17 °C, 65C → 65 °C, +-10mA → ±10 mA, 78mA → 78 mA, 10's → 10s or tens, EF2's → EF2s,

page 41

figure 15 52mV → 52 mV, 65 deg C → 65 °C, 52mV → 52 mV

page 43

para 1 20KHz → 20 kHz (note case of "k")

page 44

para 1 30MHz → 30 MHz, 1.5MHz → 1.5 MHz, 500KHz → 500 kHz (note case of "k"), -20dB/decade → -20 dB/decade (replace "-" with proper minus character), 20dB/decade → -20 dB/decade (add minus character for consistency with rest of paragraph), -3dB → -3 dB (replace "-" with proper minus character), 2-3KHz → 2 ~ 3 kHz (note case of "k"), 2MHz → 2 MHz, 40dB → 40 dB, 20KHz → 20 kHz (note case of "k"), 60dB → 60 dB, 2KHz → 2 kHz (note case of "k"), 1MHz → 1 MHz, 6dB → 6 dB, 1MHz → 1 MHz

equation replace upper-case "pi" with lower case "pi"

equation note 1: 1MHz → 1 MHz

equation note 2: -3dB → -3 dB (replace "-" with proper minus character)

para 2 350KHz → 350 kHz (note case of "k"), -3dB → -3 dB (replace "-" with proper minus character), 0.5V → 0.5 V, 5mA → 5 mA, 10mA → 10 mA

para 3 30pF → 30 pF, 155V/us → 155 V/μs

page 45

para 1 150KHz → 150 kHz (note case of "k")

para 3 1.3MHz → 1.3 MHz, -13dB → -13 dB (replace "-" with proper minus character), 6dB → 6 dB

para 4 10KHz → 10 kHz (note case of "k"), 2V pk to pk → 2 V pk-pk, 2us → 2 μs, 100pF → 100 pF, 2uF → 2 μF, 100pF → 100 pF, 500pF → 500 pF, 1nF → 1 nF, 5nf → 5 nF, replace space in "22 Ω" with a non-breaking space, 3KHz → 3 kHz (note case of "k"), 100Khz → 100 kHz (note case of "k" and "H")

page 46

para 1 replace upper-case "pi" with lower-case "pi"

para 2 50kHz → 50 kHz, 1MHz → 1 MHz

para 3 10pF → 10 pF, 3MHz → 3 MHz, 20kHz → 20 kHz, 36dB → 36 dB, 46dB → 46 dB

para 4 500kHz → 500 kHz, 1MHz → 1 MHz, 20kHz → 20 kHz, 36dB → 36 dB, 51dB → 51 dB, 20KHz → 20 kHz (note case of "k")

footnote "1990's" → "1990s"

page 47

para 2 -3dB → −3 dB (replace "-" with proper minus character), 40kHz → 40 kHz, 2KHz → 2 kHz (note case of "k"), 20kHz → 20 kHz, 46dB → 46 dB

page 48

para 1 155V/us → 155 V/μs, SR's → SRs, 8MHz → 8 MHz

page 49

para 1 15dB → 15 dB

para 2 1uH → 1 μH, 1uH → 1 μH, 1uH → 1 μH, 3-5uH → 3 ~ 5 μH, 2-4mH → 2 ~ 4 mH, 1-2uF → 1 ~ 2 μF

para 3 6dB → 6 dB

para 4 0V → 0 V

footnote 30MHz → 30 MHz, 2Mhz → 2 MHz (note case of "H")

page 50

para 1 0V → 0 V

photo 11 caption 2mm → 2 mm

page 51

para 1 "in rush" → "in-rush", LED's → LEDs

para 2 150V → 150 V, 6mΩ → 6 mΩ, 15mΩ → 15 mΩ, 100A → 100 A, 1ms → 1 ms, 70V → 70 V, 6A → 6 A, 100us → 100 μs, 100A → 100 A, 100us → 100 μs, 50A → 50 A, 12V → 12 V, 1ppm → 1 ppm, 40A → 40 A, 200us → 200 μs

para 3 16A → 16 A, 7W → 7 W, 250A → 250 A, 20-30A → 20 ~ 30 A

page 52

para 1 3.3V → 3.3 V, 70°C → 70 °C, 0.8615V → 0.8615 V, 6°C → 6 °C, 45mV → 45 mV

para 2 +-1V → ±1 V, Offset → offset (line 3), 68V → 68 V, 8ms → 8 ms, constant.During → constant. During, 1Hz → 1 Hz

page 54

para 1 50us → 50 μs

para 2 0V → 0 V, 12V → 12 V

para 4 1KB → 1 KB, 300mW → 300 mW, 200VAC → 200 VAC

para 5 dives → devices (I think?), 10A → 10 A, 5A → 5 A

page 55

para 1 150W → 150 W, 20KHz → 20 kHz (note case of "k"), 10ppm → 10 ppm, 40ppm → 40 ppm, 20KHz → 20 kHz (note case of "k"), 46dB → 46 dB, 40KHz → 40 kHz (note case of "k"), 36dB → 36 dB, 20KHz → 20 kHz (note case of "k"), tradeoff's → tradeoffs or trades-off if you want to be really fancy

para 3 180W → 180 W

para 5 30MHz → 30 MHz, NJW → MJW

page 56

para 1 1nF → 1 nF

para 2 32mA → 32 mA, 28mA → 28 mA, 15mA → 15 mA, 20mA → 20 mA, 90mA → 90 mA, 38mA → 38 mA, 800W → 800 W

para 3 EFT's → EFTs