



AUREXX CRYSTAL 1 (2011)

mod-0: no NFB; $A_o=667$; $Z_{out}=45 \text{ Ohm}$; 42Hz-35kHz (-3dB). With NFB: at edge of instability (13-4)

mod-1: R1,2,9,10=1M-1/2W; R11,12=150E-1W (14-4)

mod-2: Separate chassis = mains from audio ground add R17=27E/1W and C8=100nF/630V (15-4)

mod-3: add R18,19=1M-1/2W; no NFB. $Z_{out}=3 \text{ Ohm}$; $A_o=24$; 10Hz-37kHz (-3dB); $P_{max}=2.9W$ (28-4)

mod-4: with FB+C9,10=180pF-Styro.. $Z_{out}=1.2 \text{ Ohm}$ $A_o = 8$; 4Hz-60kHz (-3dB); $P_{max}= 3.4W$ (11-5)

mod-5: C3,4 = 22uF/63V for first order behavior (18-5)

mod-6: remove R18,19; remove C3,4; R11,12 = 10E create neg Bias for EL84 (Leon B. 10-6)

mod-7: LED cathode belasting EL84

mod-8: voedings stabilisatie

mod-9: Leon Bemmelmans: I-bron voor ECC83 (25-10)