



**AUREXX CRYSTAL 1 (2011)**

mod-0: no NFB:  $A_o=667$ ;  $Z\text{-out}=45\ \Omega$ ; 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.  $Z\text{-out}=3\ \Omega$ ;  $A_o=24$ ; 10Hz-37kHz (-3dB);  $P_{max}=2.9W$  (28-4)  
 mod-4: with FB+ $C9, 10=180pF$ -Styro..  $Z\text{-out}=1.2\ \Omega$   $A_o = 8$ ; 4Hz-60kHz (-3dB);  $P_{max} = 3.4W$  (11-5)  
 mod-5:  $C3, 4 = 22\mu F/63V$  for first order behavior (18-5)