

# 12AX7-EH Gold electro-har (12AX7) - test protocol

03.02.2021 16:04:29



Vorgaben/Pre-settings:

Ergebnisse/Results:

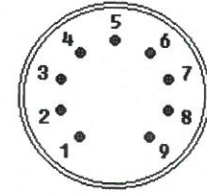
#268

heater voltage:12.6 V, heater current:0.15 A, heater type:indirekt

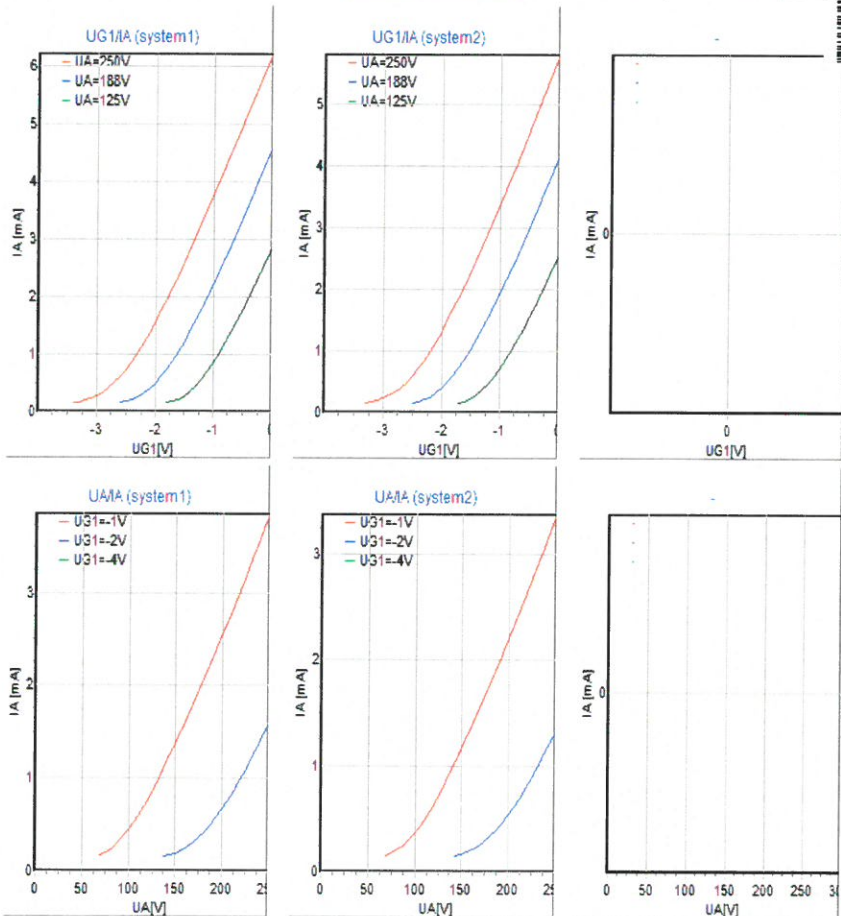
system	1	2	3
type of tube system	Triode	Triode	-
pinout			
Pin 1		A	
Pin 2		G1	
Pin 3		K	
Pin 4	F1	F1	
Pin 5	F2	F2	
Pin 6	A		
Pin 7	G1		
Pin 8	K		
Pin 9	FM	FM	
Pin 10 or ext. connector			
absolute maximum rating			
UA [V]	300.0	300.0	0.0
UG2 [V]	0	0	0
IK [mA]	8.000	8.000	0.000
NA [W]	1.000	1.000	0.000
NG2 [W]	0.000	0.000	0.000
typical ratings:			
UA [V]	250.0	250.0	0.0
UG1 [V]	-2.00	-2.00	0.00
UG2 [V]	0.0	0.0	0.0
UG3 [V]	0.0	0.0	0.0
IA [mA]	1.200	1.200	0.000
IG2 [mA]	0.000	0.000	0.000
S [mA/V]	1.60	1.60	0.00
$\mu$	100.0	100.0	0.0
D [%]	0.0	0.0	0.0
Ri [kOhm]	62.5	62.5	0.0
Data for curves:			
Grid1 curves:	UG1/IA	UG1/IA	
1: UA [V]	250	250	
1: UG1 [V] starting at	-4	-4	
1: UG2 [V]	0	0	
1: UG3 [V]	0	0	
2: UA [V]	188	188	
2: UG1 [V] starting at	-4	-4	
2: UG2 [V]	0	0	
2: UG3 [V]	0	0	
3: UA [V]	125	125	
2: UG1 [V] starting at	-4	-4	
3: UG2 [V]	0	0	
3: UG3 [V]	0	0	
Plate-Screen curves	UA/IA	UA/IA	
1: UA [V] up to	250	250	
1: UG1 [V]	-1	-1	
1: UG2 [V] up to	0	0	
1: UG3 [V]	0	0	
2: UA [V] up to	250	250	
2: UG1 [V]	-2	-2	
2: UG2 [V] up to	0	0	
2: UG3 [V]	0	0	
3: UA [V] up to	250	250	
3: UG1 [V]	-4	-4	
3: UG2 [V] up to	0	0	
3: UG3 [V]	0	0	
f(UaPentode) start at[V]			
AC-simulation, +V	0	0	0

system	1	2	3
type of tube system	Triode	Triode	
nominal plate current [mA]	1.2	1.2	
measured plate current [mA]	1.622	1.337	
= percent of nominal	135	111	
Nominal screen grid current [mA]			
measured screen current [mA]			
= percent of nominal			
transconductance [mA/V]	1.94	1.7	
at grid voltage change (dUG1) [V]	0.6	0.6	
plate current [mA] at + 1/2 dUG1	2.244	1.877	
plate current [mA] at - 1/2 dUG1	1.082	0.857	
$\mu$	83.3	83.3	
D of plate in % ( D = 1/ $\mu$ )	1.2	1.2	
measured plate current [mA]	1.114	0.889	
at plate voltage	224.77	224.77	
D G2 [%]			
measured plate current [mA]			
at screen voltage			
Ri [KOhm]	49.2	56.8	
Ig [ $\mu$ A]	0.00645	0.00343	

base: Noval B9A



8 x 36° 1.02  $\phi$   
PC  $\phi$ : 11.9 mm B9A



selected heating version:intern DC  
measured heater voltage:12.61 V  
measured heater current:173.24 mA (Ph=2.185 W)  
Aufheizzeit: 120 s

test cathode isolation = o.k.  
test cathode isolation = o.k.

Ia (system:1/2/3)/ $\mu$ A:0.00645 / 0.00343 / 0  
faktor vakuum: 0.00000400  
Plate current variation:0.5 [%], IgR: 1.329 mA, IgIR: 1.322 mA

= ECC83

Surplus Sales of Nebraska  
Where the Hard To Find Parts Are Found  
And On Hand

www.surplussales.com  
(402) 346-4750