

6A8G (6A8GT) - test protocol

Vorgaben/Pre-settings:

heater voltage:6.3 V, heater current:0.3 A, heater type:indirekt

Ergebnisse/Results:

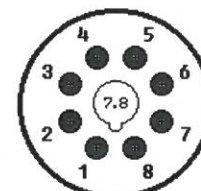
360



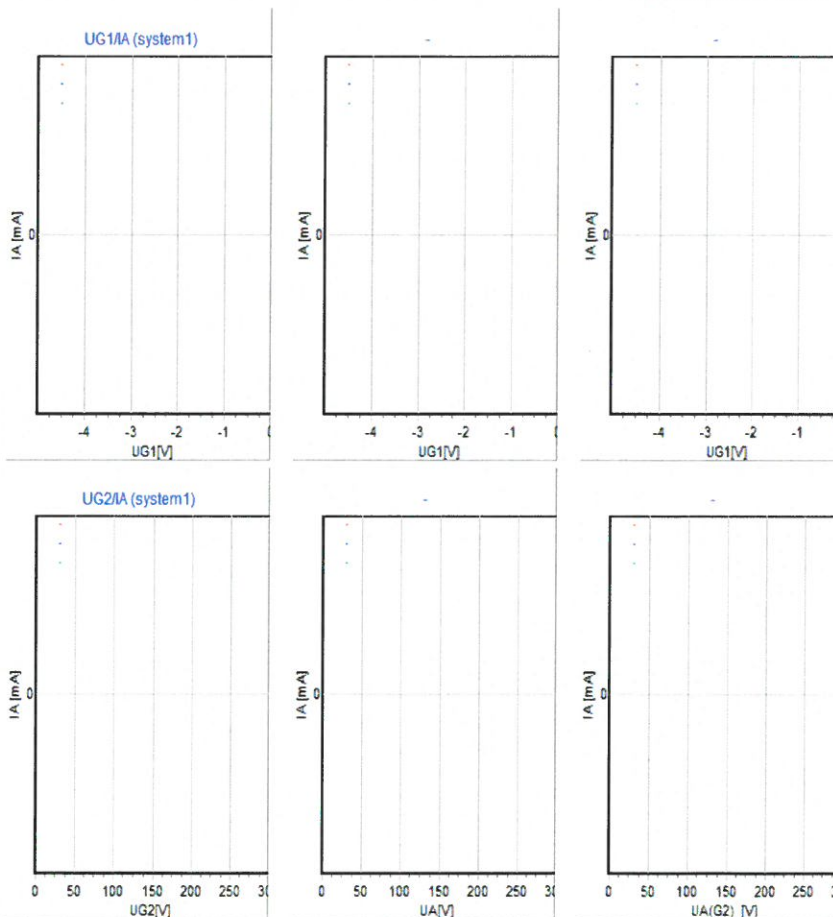
system	1	2	3
type of tube system	Heptode4 -		
pinout			
Pin 1			
Pin 2	F1		
Pin 3	A		
Pin 4	G3		
Pin 5	G1		
Pin 6	G2		
Pin 7	F2		
Pin 8	K		
Pin 9			
Pin 10 or ext. connector	G4		
absolute maximum rating			
UA [V]	300.0	0.0	0.0
UG2 [V]	200	0	0
IK [mA]	14.000	0.000	0.000
NA [W]	1.000	0.000	0.000
NG2 [W]	0.750	0.000	0.000
typical ratings:			
UA+G2(Hept) [V]	250.0	0.0	0.0
UG1(Hept) [V]	-7.00	0.00	0.00
UG3+G5(Hept) [V]	100.0	0.0	0.0
UG4(Hept) [V]	-3.0	0.0	0.0
IA+G2(Hept) [mA]	3.500	0.000	0.000
IG3+G5(Hept) [mA]	2.700	0.000	0.000
S [mA/V]	0.36	0.00	0.00
μ	0.0	0.0	0.0
D [%]	0.0	0.0	0.0
Ri [kOhm]	0.0	0.0	0.0
Data for curves:			
Grid1 curves:	UG1/IA		
1: UA [V]	250		
1: UG1 [V] starting at	-21		
1: UG2 [V]	100		
1: UG3 [V]	-3		
2: UA [V]	188		
2: UG1 [V] starting at	-21		
2: UG2 [V]	75		
2: UG3 [V]	-3		
3: UA [V]	125		
2: UG1 [V] starting at	-21		
3: UG2 [V]	50		
3: UG3 [V]	-3		
Plate-Screen curves	UG2/IA		
1: UA [V] up to	250		
1: UG1 [V]	-3.5		
1: UG2 [V] up to	100		
1: UG3 [V]	-3		
2: UA [V] up to	250		
2: UG1 [V]	-7		
2: UG2 [V] up to	100		
2: UG3 [V]	-3		
3: UA [V] up to	250		
3: UG1 [V]	-14		
3: UG2 [V] up to	100		
3: UG3 [V]	-3		
f(UaPentode) start at[V]			
AC-simulation, +V	0	0	0

system	1	2	3
type of tube system	Heptode		
nominal IA+G2(Hept) [mA]	3.5		
rating IA+G2(Hept) [mA]	8.672		
= percent of nominal	248		
nominal IG3+G5(Hept) [mA]	2.7		
rating IG3+G5(Hept) [mA]	2.754		
= percent of nominal	102		
transconductance [mA/V]	1.33		
at grid voltage change (dUG1) [V]	0.6		
plate current [mA] at + 1/2 dUG1	9.077		
plate current [mA] at - 1/2 dUG1	8.282		
μ			
D of plate in % (D = 1/ μ)			
measured plate current [mA]			
at plate voltage			
D G2 [%]			
measured plate current [mA]			
at screen voltage			
Ri [KOhm]			
Ig [μ A]	0.0138		

base: Oktal K8A



8 x 45° 2.36 ϕ
PC ϕ : 17.5 mm K8A



testing heater of system1
heater ok
measured heater voltage:6.27 V
measured heater current:309.9 mA (Ph=1.943 W)
Aufheizzeit: 129 s

test cathode isolation = o.k.

Ia (system:1/2/3)I μ A:0.0138 / 0 / 0
faktor vakuum: 0.00000160
Plate current variation:0.3 [%]. IgR: 8.694 mA, Ig|R: 8.672 mA

= 6Q8, 6A8GTX, 6A8G, 6a8b russ, 6a8 russ, 6A8, VT151B, PH4,
V: Heptode für Mischer und Oszillatoren in Überlagerungsempfängern

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