

6SK7W (6SK7) - test protocol

22.01.2021 10:59:06

#2170



Pre-settings:

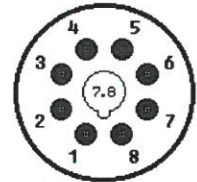
heater voltage:6.3 V, heater current:0.3 A, heater type:indirekt

results:

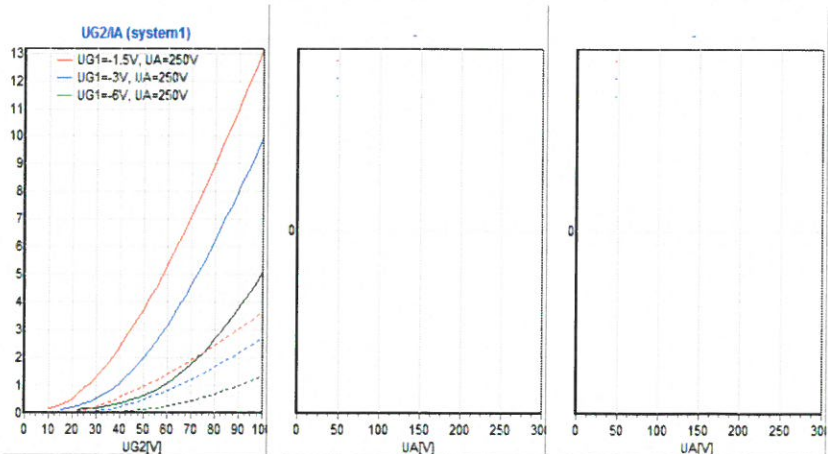
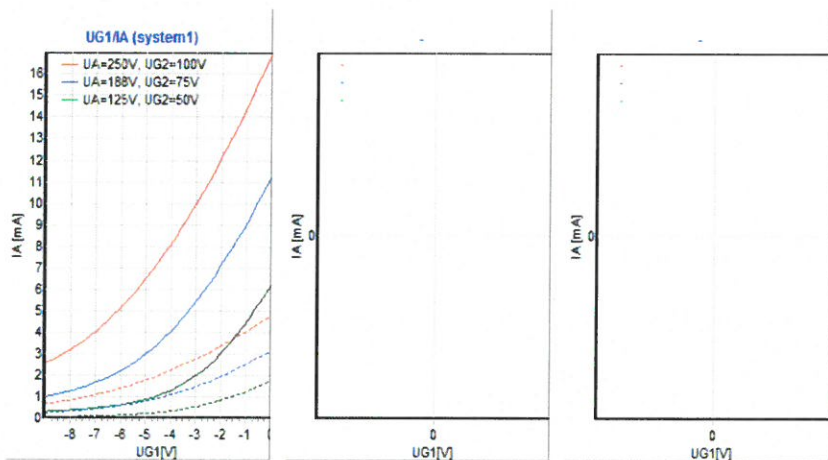
system	1	2	3
type of tube system	Pentode	-	-
pinout			
Pin 1	S		
Pin 2	F1		
Pin 3	G3		
Pin 4	G1		
Pin 5	K		
Pin 6	G2		
Pin 7	F2		
Pin 8	A		
Pin 9			
Pin 10 or ext. connect			
absolute maximum rat			
UA [V]	300.0	0.0	0.0
UG2 [V]	125	0	0
IK [mA]	0.000	0.000	0.000
NA [W]	4.000	0.000	0.000
NG2 [W]	0.400	0.000	0.000
typical ratings:			
UA [V]	250.0	0.0	0.0
UG1 [V]	-3.00	0.00	0.00
UG2 [V]	100.0	0.0	0.0
UG3 [V]	0.0	0.0	0.0
IA [mA]	9.200	0.000	0.000
IG2 [mA]	2.600	0.000	0.000
S [mA/V]	2.00	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	-9		
1: UG2 [V]	100		
1: UG3 [V]	0		
2: UA [V]	188		
2: UG1 [V] starting at	-9		
2: UG2 [V]	75		
2: UG3 [V]	0		
3: UA [V]	125		
2: UG1 [V] starting at	-9		
3: UG2 [V]	50		
3: UG3 [V]	0		
Plate-Screen curves	UG2/IA		
1: UA [V] up to	250		
1: UG1 [V]	-1.5		
1: UG2 [V] up to	100		
1: UG3 [V]	0		
2: UA [V] up to	250		
2: UG1 [V]	-3		
2: UG2 [V] up to	100		
2: UG3 [V]	0		
3: UA [V] up to	250		
3: UG1 [V]	-6		
3: UG2 [V] up to	100		
3: UG3 [V]	0		
f(UaPentode) start at[V]			
AC-simulation, +V	0	0	0

system	1	2	3
type of tube system	Pentode		
nominal plate current [mA]	9.2		
measured plate current [mA]	10.134		
= percent of nominal	110		
Nominal screen grid current [mA]	2.6		
measured screen current [mA]	2.812		
= percent of nominal	108		
transconductance [mA/V]	2		
at grid voltage change (dUG1) [V]	0.6		
plate current [mA] at + 1/2 dUG1	10.734		
plate current [mA] at - 1/2 dUG1	9.534		
μ	998		
D of plate in % (D = 1/ μ)	0.1		
measured plate current [mA]	9.992		
at plate voltage	174.82		
D G2 [%]	10		
measured plate current [mA]	8.184		
at screen voltage	90.2		
Ri [KOhm]	623.8		
Ig [μ A]	0.0562		

base:Oktal K8A



8 x 45° 2.36 ϕ
PC ϕ : 17.5 mm [K8A]



selected heating version:intern DC
measured heater voltage:6.27 V
measured heater current:294.75 mA (Ph=1.848 W)
Aufheizzeit: 82 s

test cathode isolation = o.k.

Ig (system:1/2/3)[μ A]:0.0562 / 0 / 0
faktor vakuum: 0.00000560
Plate current variation:1.3 [%], IgR: 10.209 mA, IgIR: 10.074 mA

= CV1981, 0SW3111, OSW3111, HF3111, 6SK7WA, 6SK7W, 6k17b russ, 6k3 russ, VT117, Regelröhre, V: Pentode für HF-Stufen

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