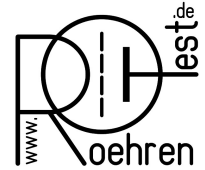


EL34 EH (EL34) - test protocol

21.04.2017 19:43:36



Pre-settings:
heater voltage:6.3 V, heater current:1.5 A, heater type:indirekt

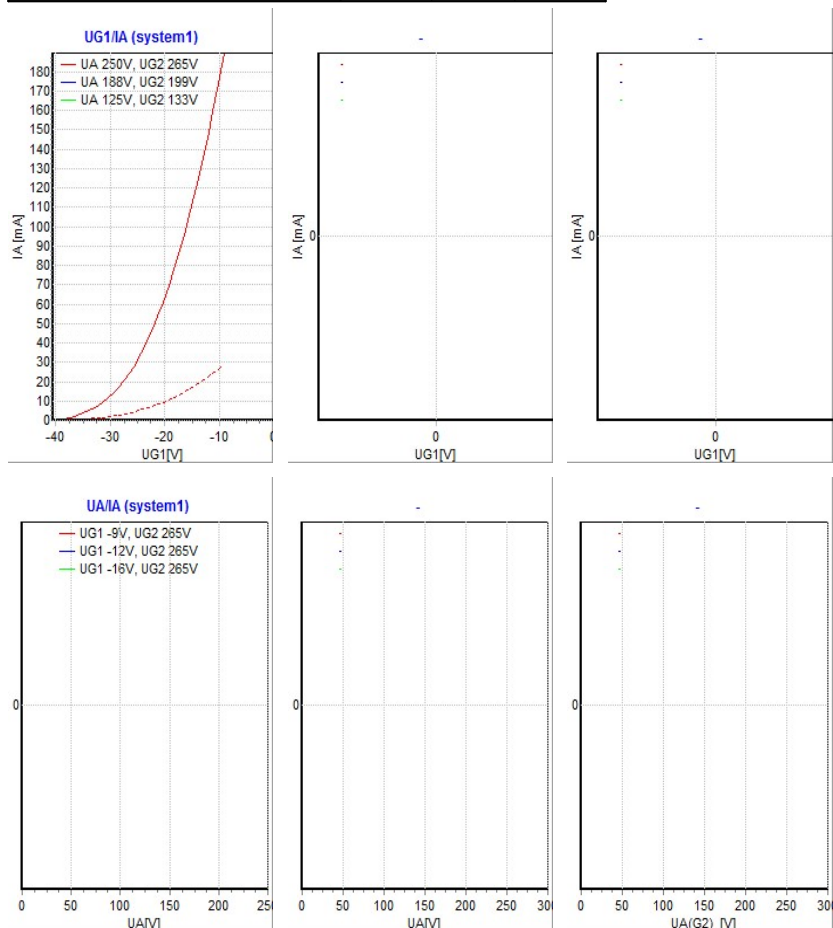
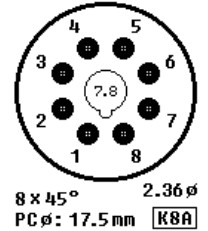
results:

#1116

system	1	2	3
type of tube system	Pentode	-	-
pinout			
Pin 1	G3		
Pin 2	F1		
Pin 3	A		
Pin 4	G2		
Pin 5	G1		
Pin 6			
Pin 7	F2		
Pin 8	K		
Pin 9			
Pin 10 or ext. connector			
absolute maximum ratings:			
UA [V]	800.0	0.0	0.0
UG2 [V]	425	0	0
IK [mA]	150.0	0.0	0.0
NA [W]	25.000	0.000	0.000
NG2 [W]	8.000	0.000	0.000
typical ratings:			
UA [V]	250.0	0.0	0.0
UG1 [V]	-13.50	0.00	0.00
UG2 [V]	265.0	0.0	0.0
UG3 [V]	0.0	0.0	0.0
IA [mA]	100.00	0.00	0.00
IG2 [mA]	14.90	0.00	0.00
S [mAV]	11.00	0.00	0.00
μ	0.0	0.0	0.0
D [%]	9.0	0.0	0.0
Ri [kOhm]	15.0	0.0	0.0
Daten f. Kennlinien:			
UG1-Kennlinien:	UG1/IA		
1: UA [V]	250		
1: UG1 [V] variabel ab	-40.5		
1: UG2 [V]	265		
1: UG3 [V]	0		
2: UA [V]	188		
2: UG1 [V] variabel ab	-40.5		
2: UG2 [V]	199		
2: UG3 [V]	0		
3: UA [V]	125		
3: UG1 [V] variabel ab	-40.5		
3: UG2 [V]	133		
3: UG3 [V]	0		
UA/UG2-Kennlinien:	UA/IA		
1: UA [V] variabel bis	250		
1: UG1 [V]	-9		
1: UG2 [V] variabel bis	265		
1: UG3 [V]	0		
2: UA [V] variabel bis	250		
2: UG1 [V]	-12		
2: UG2 [V] variabel bis	265		
2: UG3 [V]	0		
3: UA [V] variabel bis	250		
3: UG1 [V]	-16		
3: UG2 [V] variabel bis	265		
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]	100		
measured plate current [mA]	129.32		
= percent of nominal	129		
Nominal screen grid current [mA]	14.9		
measured screen current [mA]	19.62		
= percent of nominal	132		
transconductance [mAV]	12.38		
at grid voltage change (dUG1) [V]	0.6		
plate current [mA] at + 1/2 dUG1	133.3		
plate current [mA] at - 1/2 dUG1	125.87		
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]			

base:Oktal K8A

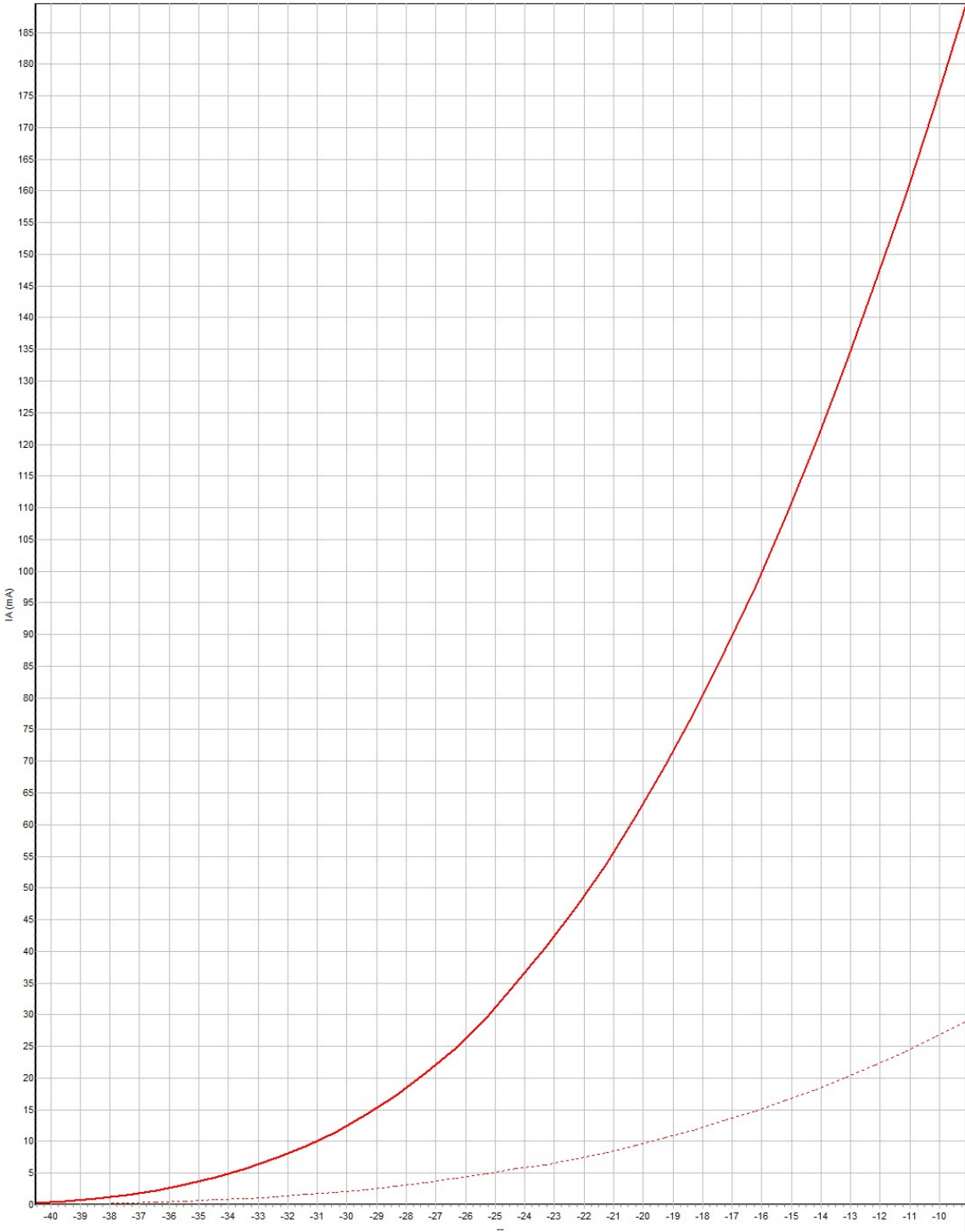


measured heater voltage:6.31 V
measured heater current:1542 mA

= 6p27s russ, CV1741, 6CA7,

UG1-Kennl. - System 1

— 250 — 188 — 125



UA/IA - System 1

-9 -12 -16

