

6j1p russ (EF95) - test protocol

11.08.2020 18:05:11

#36

Pre-settings:

heater voltage:6.3 V, heater current:0.175 A, heater type:indirekt

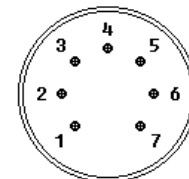
results:

system	1	2	3
type of tube system	Pentode	-	-
pinout			
Pin 1	G1		
Pin 2	K		
Pin 3	F1		
Pin 4	F2		
Pin 5	A		
Pin 6	G2		
Pin 7	K		
Pin 8			
Pin 9			
Pin 10 or ext. connecto			
absolute maximum ratings			
UA [V]	180.0	0.0	0.0
UG2 [V]	140	0	0
IK [mA]	18.000	0.000	0.000
NA [W]	1.700	0.000	0.000
NG2 [W]	0.500	0.000	0.000
typical ratings:			
UA [V]	180.0	0.0	0.0
UG1 [V]	-2.00	0.00	0.00
UG2 [V]	120.0	0.0	0.0
UG3 [V]	0.0	0.0	0.0
IA [mA]	7.700	0.000	0.000
IG2 [mA]	2.400	0.000	0.000
S [mA/V]	5.10	0.00	0.00
μ	35.0	0.0	0.0
D [%]	0.0	0.0	0.0
Ri [kOhm]	400.0	0.0	0.0
Data for curves:			
Grid1 curves:	UG1/IA		
1: UA [V]	180		
1: UG1 [V] starting at	-6		
1: UG2 [V]	120		
1: UG3 [V]	0		
2: UA [V]	135		
2: UG1 [V] starting at	-6		
2: UG2 [V]	90		
2: UG3 [V]	0		
3: UA [V]	90		
2: UG1 [V] starting at	-6		
3: UG2 [V]	60		
3: UG3 [V]	0		
Plate-Screen curves	UG2/IA		
1: UA [V] up to	180		
1: UG1 [V]	-1		
1: UG2 [V] up to	120		
1: UG3 [V]	0		
2: UA [V] up to	180		
2: UG1 [V]	-2		
2: UG2 [V] up to	120		
2: UG3 [V]	0		
3: UA [V] up to	180		
3: UG1 [V]	-4		
3: UG2 [V] up to	120		
3: UG3 [V]	0		
f(UaPentode) start at[V]			
AC-simulation, +V	0	0	0

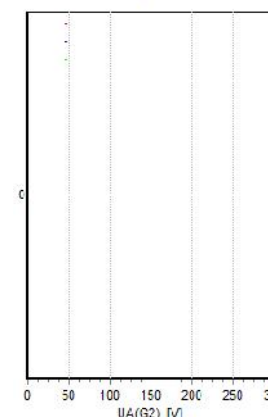
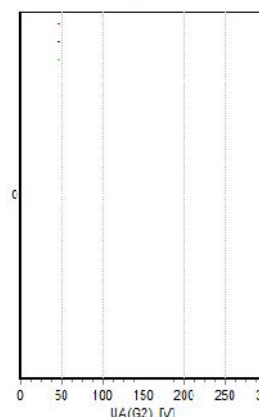
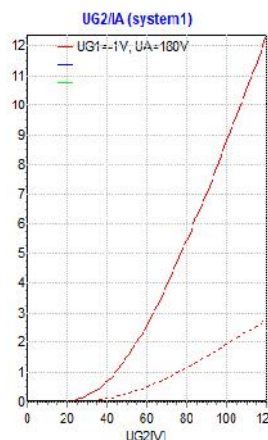
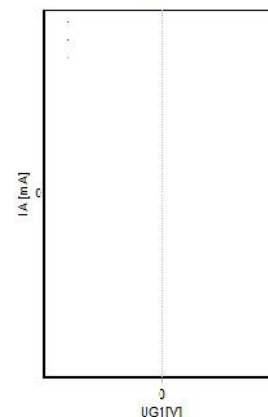
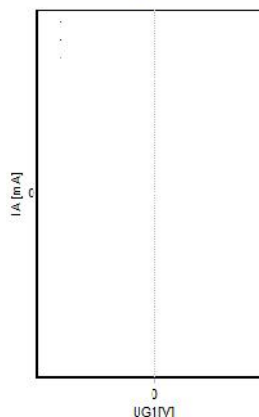
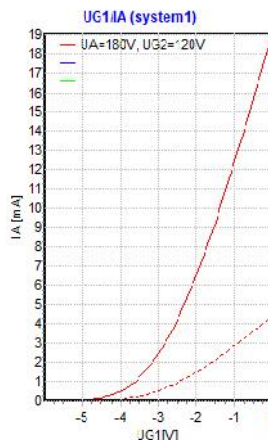
system	1	2	3
type of tube system	Pentode		
nominal plate current [mA]	7.7		
measured plate current [mA]	6.352		
= percent of nominal	82		
Nominal screen grid current [mA]	2.4		
measured screen grid current [mA]	1.436		
= percent of nominal	60		
transconductance [mA/V]	5.05		
at grid voltage change (dUG1) [V]	0.6		
plate current [mA] at + 1/2 dUG1	7.934		
plate current [mA] at - 1/2 dUG1	4.904		
μ	1083		
D of plate in % (D = 1/ μ)	0.1		
measured plate current [mA]	6.22		
at plate voltage	125.87		
D G2 [%]	3.1		
measured plate current [mA]	4.559		
at screen voltage	107.7		
Ri [KOhm]	410.2		
Ig [μ A]	0.0149		



base:Miniatur B7G



6 x 45° 1.02ø
PC ø: 9.53mm B7G



measured heater voltage:6.2 V

measured heater current:166.95 mA (Ph=1.035 W)

Aufheizzeit: 120 s

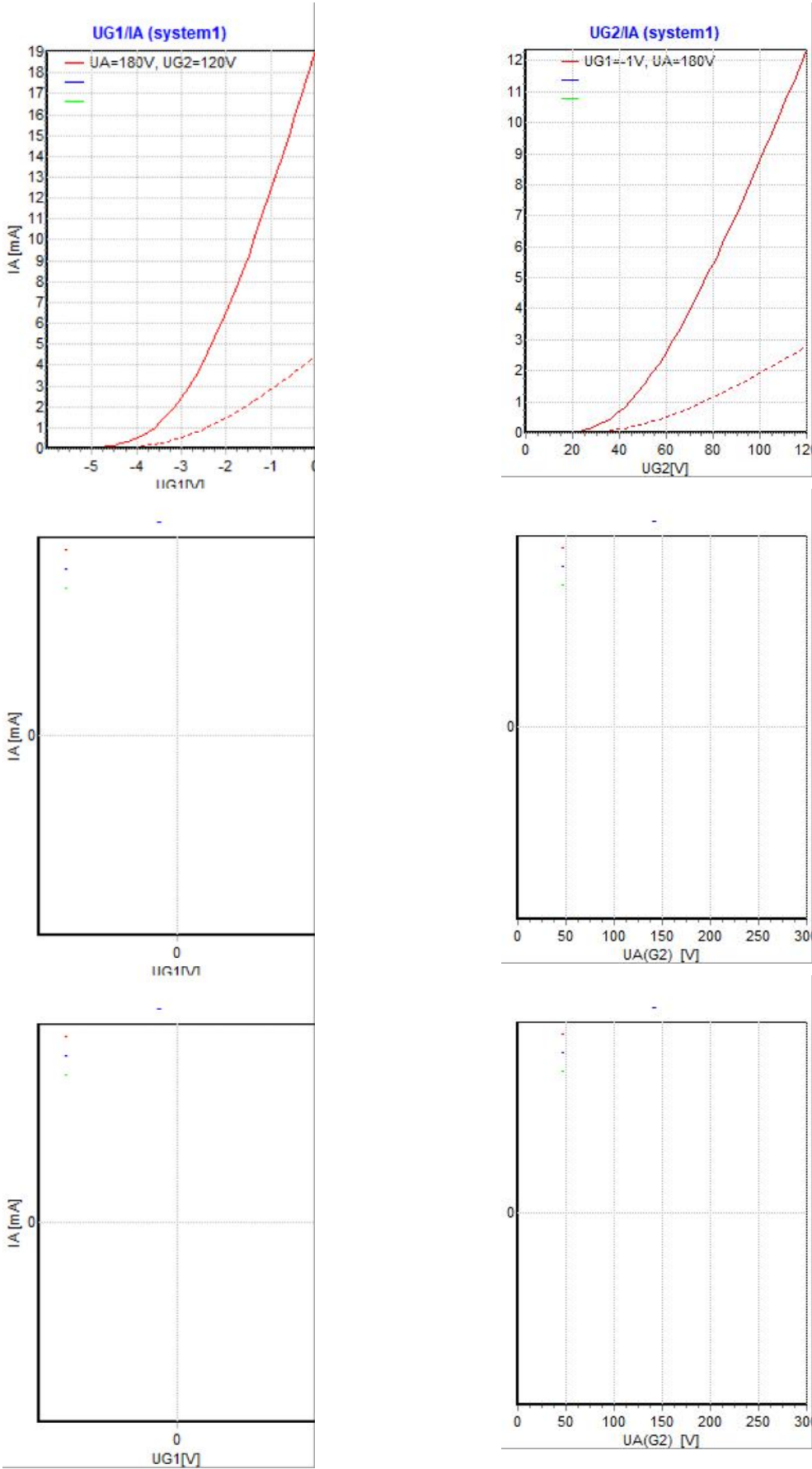
test cathode isolation = o.k.

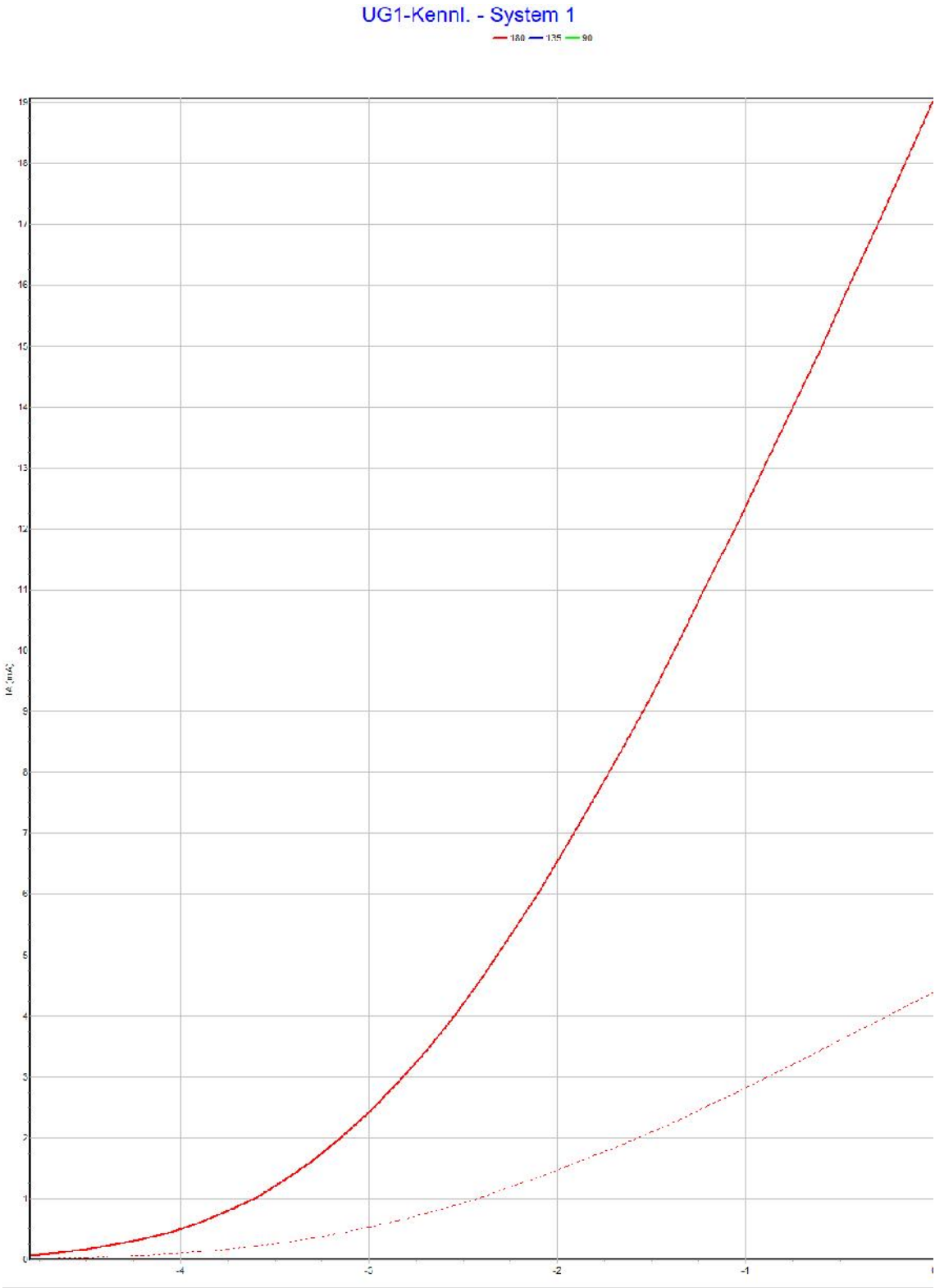
Ig (system:1/2/3)[μ A]:0.0149 / 0 / 0

faktor vakuum: 0.0000230

Plate current variation:1.4 [%], IgR: 6.434 mA, IgIR: 6.344 mA

= QM557, 0SW3132, 5727, WE731A, WE403B, WE403A, SN1039A, M8100, CK5654, 731A, 6F32_Tes, 6AK5WA, 403B_WE, 403A_WE, 1381HQ, 6096, CK5854, 5591, SN1039, PM05, DP61, 6j1p russ, 6069, 6AK5, Russ 6SH1P, 5654, G3+S





UG1-Kennl. - System 2
160 175 90

