

35Z5 (35Z5GT) - test protocol

Vorgaben/Pre-settings:

heater voltage:35 V, heater current:0.15 A, heater type:indirekt

Ergebnisse/Results:

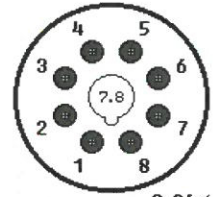
#1313



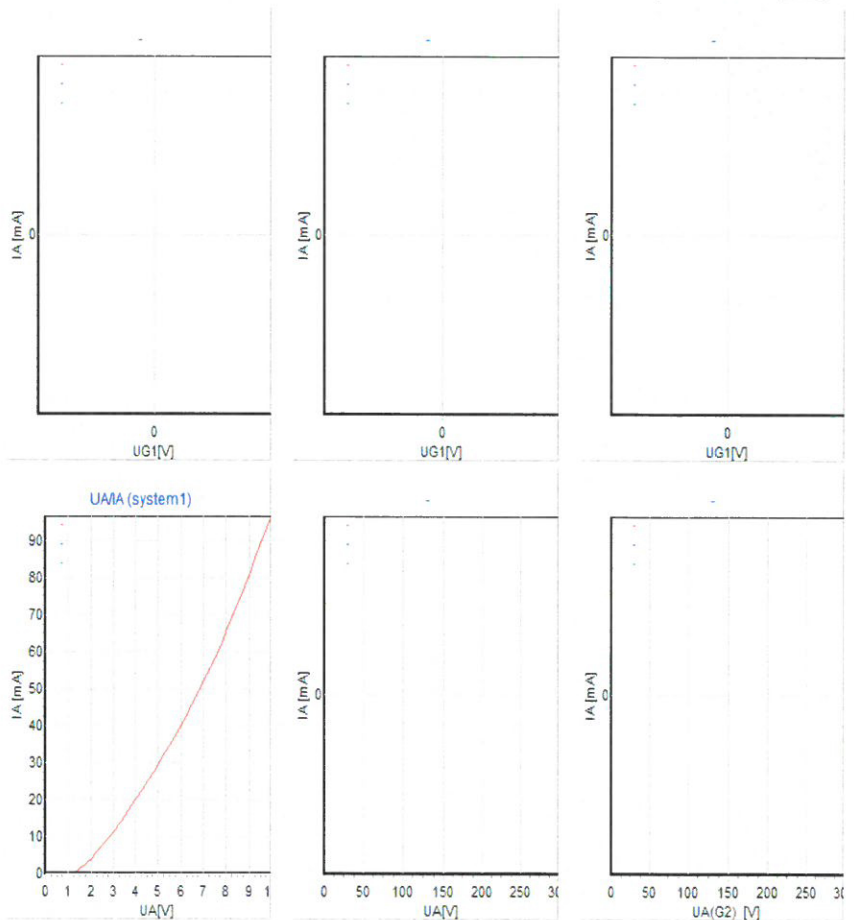
system	1	2	3
type of tube system	Diode	-	-
pinout			
Pin 1			
Pin 2	F1		
Pin 3	FM		
Pin 4			
Pin 5	A		
Pin 6			
Pin 7	F2		
Pin 8	K		
Pin 9			
Pin 10 or ext. connector			
absolute maximum ratings:			
UA [V]	700.0	0.0	0.0
UG2 [V]	0	0	0
IK [mA]	100.000	0.000	0.000
NA [W]	0.000	0.000	0.000
NG2 [W]	0.000	0.000	0.000
typical ratings:			
UA [V]	10.0	0.0	0.0
UG1 [V]	0.00	0.00	0.00
UG2 [V]	0.0	0.0	0.0
UG3 [V]	0.0	0.0	0.0
IA [mA]	95.000	0.000	0.000
IG2 [mA]	0.000	0.000	0.000
S [mA/V]	0.00	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:			
1: UA [V]			
1: UG1 [V] starting at			
1: UG2 [V]			
1: UG3 [V]			
2: UA [V]			
2: UG1 [V] starting at			
2: UG2 [V]			
2: UG3 [V]			
3: UA [V]			
2: UG1 [V] starting at			
3: UG2 [V]			
3: UG3 [V]			
Plate-Screen curves	UA/IA		
1: UA [V] up to	10		
1: UG1 [V]	0		
1: UG2 [V] up to	0		
1: UG3 [V]	0		
2: UA [V] up to			
2: UG1 [V]			
2: UG2 [V] up to			
2: UG3 [V]			
3: UA [V] up to			
3: UG1 [V]			
3: UG2 [V] up to			
3: UG3 [V]			
f(UaPentode) start at[V]			
AC-simulation, +V	0	0	0

system	1	2	3
type of tube system	Diode		
nominal plate current [mA]	95		
measured plate current [mA]	96.71		
= percent of nominal	102		
Nominal screen grid current [mA]			
measured screen current [mA]			
= percent of nominal			
transconductance [mA/V]			
at grid voltage change (dUG1) [V]			
plate current [mA] at + 1/2 dUG1			
plate current [mA] at - 1/2 dUG1			
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]			

base: Oktal K8A



8 x 45° 2.36 ϕ
PC ϕ : 17.5 mm K8A



selected heating version: intern DC
measured heater voltage: 34.9 V
measured heater current: 148.93 mA (Ph=5.198 W)
Aufheizzeit: 42 s

test cathode isolation = o.k.
reverse test diode with 300V, system 1 = Ia[mA]: 0.043

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= 35Z5, Anodenstrom durch probieren ermittelt