



Test Report

Tube type: KT88 (RE 40 A)

Tube number:

Control grid voltage

Measured at: $V_A = 250 \text{ V}$, $V_{G2} = 250 \text{ V}$, $I_A = 120 \text{ mA}$

$-V_{G1}$V

Screen grid current

Measured at: $V_A = 250 \text{ V}$, $V_{G2} = 250 \text{ V}$, $I_A = 120 \text{ mA}$

Optimally: $I_{G2} \leq 20 \text{ mA}$, ($P_{G2} \leq 5 \text{ W}$)

I_{G2} mA

Filament current

Measured at: $V_f = 6.3 \text{ V}$

Optimally: $I_f = (1.47 - 1.73) \text{ A}$

I_f A

Heater – cathode insulation

Measured at: $V_f = 6.3 \text{ V}$, $V_{kf} = 100 \text{ V}$

Optimally: $I_{kf} \leq 100 \mu\text{A}$

I_{kf} μA

Cut – off voltage

Measured at: $I_A = 50 \mu\text{A}$, $V_A = 250 \text{ V}$, $V_{G2} = 250 \text{ V}$

Optimally: $V_{G1} \geq -55 \text{ V}$

$-V_{G1}$ V

Vacuum

Measured at: $V_A = 250 \text{ V}$, $V_{G2} = 250 \text{ V}$, $I_A = 120 \text{ mA}$

Optimally: $I_{G1} \geq -6 \mu\text{A}$

$-I_{G1}$ μA

Transconductance

Measured at: $I_A = 120 \text{ mA}$, $V_A = 250 \text{ V}$, $V_{G2} = 250 \text{ V}$

Optimally: $S = (8.9 - 14.2) \text{ mA/V}$

S mA/V

Checked by **FAT**

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