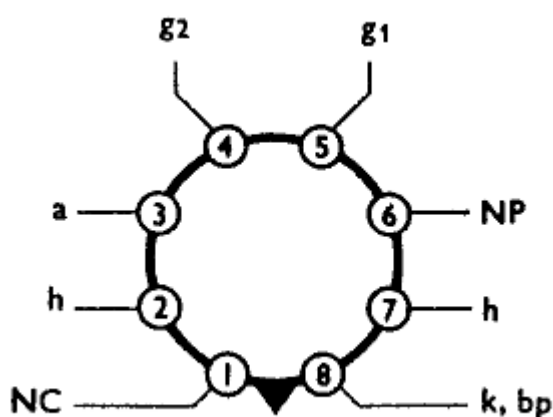




Type: S4A KT88 Carbon

The S4A KT88 Carbon is a Beam Power Tetrode with 42W anode dissipation. It is designed for Audio Power Amplifiers. One tube in Class A can give up to 15W. Two Tubes in Class AB1 can give up to 100W continuous output Power at max rated U_a . It is a direct Replacement for: 6550A, 6550C, CV5220, KT94, KT99, KT100

Base Connection (underside view)



Dimensions/Base

Base type: Octal K8A with Center Pin (Pin 6 no Pin, Pin 1 not connected)

Base diameter: 43mm, Pin: 2,3mm

Tubular glass bulb – seated length 106mm (+/-3mm), bulb Diameter:53mm (+/-1mm)

Heater indirect: $U_f = 6,3V$ (+/- 0,5V) rated $I_f = 1,6A$ (-0,1A/+0,2A) AC or DC

Maximum Ratings

Pentode Mode: U_a max=800V, P_a =42W

Triode or UL Mode: U_a and U_{g2} max=500V use a G_2 Resistor >220 Ω , max P_a+g_2 =46W

P_{g2} max=8W Peak, P_{g2} =6W continuous

I_k Peak= 250mA, I_{g2} max=8mA

R_g max=220k Ω (Pentode Mode U_a <450V)

R_g max=100k Ω (Pentode Mode U_a <800V)

R_g max=150k Ω (Triode/UL Mode U_a <500V)

U_f -k max=250V

max. bulb temperature: 250 degrees Celsius



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Characteristics

Mode	Ua [V]	Ug2 [V]	Ug1 [V]	Ia [mA]	s [mA/V]	Ri [kOhm]	μ [V/V]
Pentode	600	300	-37	30			
Pentode	600	300	-35	40			
Pentode	600	300	-33	50			
Pentode	600	300	-31	60			
Pentode	250	250	-15	140	11	15	167
Triode/UL	500	500	-63	40			
Triode/UL	450	450	-56	40			
Triode/UL	250	250	-15	140	12	0,7	8,5

