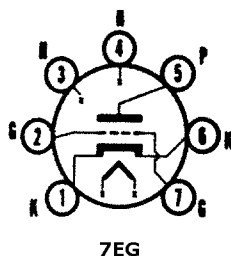


Color Television Type
VHF AMPLIFIER

6BN4A
 2BN4A, 3BN4A

Medium Mu Triode

ConstructionMiniature T-5½
 BaseButton 7 Pin, E7-1
 Basing7EG
 Outline5-2
 Maximum Diameter0.750 In.
 Maximum Seated Height1.875 In.
 Maximum Overall Height2.125 In.



ELECTRICAL DATA

HEATER OPERATION

	2BN4A	3BN4A	6BN4A
Heater Voltage.....	2.35	3.0	6.3 Volts
Heater Current	600	450	200 Ma
Heater Warm-up Time	11	11	— Seconds
Maximum Heater-Cathode Voltage			100 Volts

DIRECT INTERELECTRODE CAPACITANCES

	Unshielded	Shielded
Grid to Plate	1.1	1.2 Pf
Input: g to (h + k)	2.9	3.2 Pf
Output: p to (h + k)	0.7	1.4 Pf

RATINGS (Design Center Rating System)

Plate Voltage (Max.)	275 Volts
Plate Dissipation (Max.)	2.2 Watts
Positive DC Grid Voltage (Max.)	0 Volt
DC Cathode Current (Max.)	22 Ma
Grid Circuit Resistance (Max.).....	0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier

Plate Voltage	150 Volts
Cathode Bias Resistor	220 Ohms
Plate Current	9.0 Ma
Transconductance	7700 μ mhos
Amplification Factor	43
Plate Resistance (Approx.)	5400 Ohms
E_c for $I_b = 100 \mu a$ (Approx.).....	-6 Volts