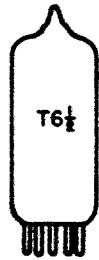
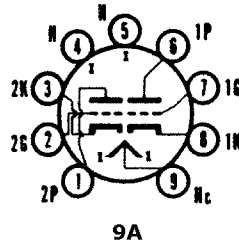


Color Television Type
GROUNDING GRID AMPLIFIER

12AZ7A

Double High Mu Triode

Construction Miniature T-6½
 Base Button 9 Pin, E9-1
 Basing 9A
 Outline 6-2
 Maximum Diameter 0.875 In.
 Maximum Seated Height 1.937 In.
 Maximum Overall Height 2.187 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage.....	12.6/6.3 Volts
Heater Current	225/450 Ma
Heater Warm-up Time	11 Seconds
Maximum Heater-Cathode Voltage	90 Volts

DIRECT INTERELECTRODE CAPACITANCES

	Shielded	Unshielded
Grid to Plate (Each Section)	1.9	1.9 Pf
Input (Each Section)	3.2	3.1 Pf
Output (Section 1) ⁽²⁾	1.3	0.5 Pf
Output (Section 2)	1.6	0.4 Pf

Grounded Grid Operation

Input (Each Section)	7.0	6.9 Pf
Output (Section 1) ⁽²⁾	2.8	2.0 Pf
(Section 2)	3.2	2.0 Pf
Plate to Cathode	0.23	0.24 Pf

RATINGS (Design Center Rating System)

Plate Voltage (Max.)	300 Volts
Plate Dissipation (Max.)	2.5 Watts
Negative Grid Voltage (Max.)	50 Volts
Grid Circuit Resistance	
Fixed Bias (Max.)	0.25 Megohm
Self Bias (Max.)	1.0 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier (Each Section)

Plate Voltage	100	250 Volts
Cathode Bias Resistor	270	200 Ohms
Plate Current	3.7	10 Ma
Transconductance	4000	5500 μmhos
Amplification Factor	60	60
Plate Resistance.....	15,000	10,900 Ohms
Ec1 for Ib = 10 μa (Approx.).....	-5	-12 Volts

NOTES:

- (1) Shield No. 315.
- (2) Section 1 connects to pins 6, 7, and 8.