

FULL WAVE GAS RECTIFIER

0Z4

0Z4A, 0Z4G

Cold Cathode Diode

Construction

0Z4, 0Z4A.....Metal MT8

0Z4G.....Glass T-7

Base.....Octal

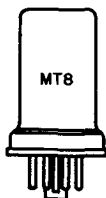
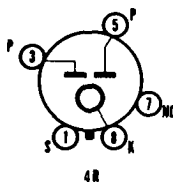
Basing.....4R

Outline

Maximum Diameter.....1.031 In.

Maximum Seated Height.....2.063 In.

Maximum Overall Height.....2.625 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage.....None Required

RATINGS (Design Center Rating System)

	0Z4, 0Z4G	0Z4A
Peak Starting Plate Supply Voltage (Min.)	300	300 Volts
Peak Inverse Plate Voltage	880	880 Volts
Peak Plate Current	270	330 Ma
DC Output Current (Max.)	90	110 Ma
DC Output Current (Min.)	30	30 Ma

CHARACTERISTICS AND TYPICAL OPERATION

	0Z4, 0Z4G	0Z4A
Peak Plate Voltage (Per Plate)	380	440 Volts
Filter Input Condenser	8	8 μ f
Total Effective Plate Supply Impedance (Per Plate)	800	600 Ohms
Voltage Drop for $I_b = 110$ Ma (Per Plate)	—	24 Volts
Voltage Drop for $I_b = 90$ Ma (Per Plate)	24	— Volts
DC Output Current	65	110 Ma
DC Output Voltage	275	310 Volts

Color Television Type

HIGH VOLTAGE RECTIFIER

1AD2

Filamentary Diode

Construction.....Compactron T-9

Base.....Button 12 Pin, E12-70

Top Cap.....Small, C1-34

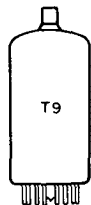
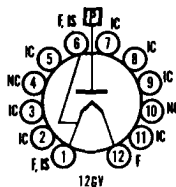
Basing⁽¹⁾.....12GV

Outline.....9-98

Maximum Diameter.....1.188 In.

Maximum Seated Height.....2.750 In.

Maximum Overall Height.....3.125 In.



ELECTRICAL DATA

FILAMENT OPERATION

Filament Voltage⁽¹⁾.....1.25 Volts

Filament Current.....200 Ma

DIRECT INTERELECTRODE CAPACITANCES

Plate to Filament.....1.6 Pf

RATINGS (Design Maximum Rating System)

Pulse Rectifier Service⁽²⁾

Peak Inverse Plate Voltage (Max.).....26,000 Volts

Peak Plate Current (Max.).....50 Ma

Average Plate Current (Max.).....0.5 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop for $I_b = 7.0$ Ma.....225 Volts

NOTES:

(1) Under no circumstance should voltage fall below 1.05 volts or exceed 1.45 volts.

(2) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.