The 5V4-GA is a high-vacuum rectifier intended for use in full-wave applications. The tube incorporates an indirectly heated cathode which is internally connected to the heater. Except for the use of a straight-sided T-12 envelope, the 5V4-GA is identical to the 5V4-G.

**ELECTRICAL**
Cathode—Coated Unipotential
Heater Voltage, AC or DC .................. 5.0 Volts
Heater Current ................................ 2.0 Amperes

**MECHANICAL**
Mounting Position—Any
Envelope—T-12, Glass
Base—B5-15, Medium-Shell Octal 5-Pin
or B5-121, Short-Medium-Shell Octal 5-Pin

**MAXIMUM RATINGS**
**RECTIFIER SERVICE—DESIGN-CENTER VALUES**
Peak Inverse Plate Voltage .................. 1400 Volts
AC Plate-Supply Voltage per Plate, RMS
  For Capacitor-Input Filter ............... 375 Volts
  For Choke-Input Filter .................. 500 Volts
Steady-State Peak Plate Current per Plate ........... 525 Milliamperes
Transient Peak Plate Current per Plate,
  Maximum Duration 0.2 Second .............. 3.5 Amperes
DC Output Current .......................... 175 Milliamperes

**CHARACTERISTICS AND TYPICAL OPERATION**
**FULL-WAVE RECTIFIER**
AC Plate-Supply Voltage per Plate, RMS .......... 375 Volts
Filter Input Capacitor ..................... 10 microfarads
Filter Input Choke .................................. 4 Henrys
Total Effective Plate-Supply Impedance per
  Plate .................................................. 100 Ohms
DC Output Current ............................... 175 Milliamperes
DC Output Voltage at Filter Input ............... 410 Volts
Tube Voltage Drop 1b = 175 Milliamperes DC per Plate .............. 25 Volts

**PHYSICAL DIMENSIONS**

**GENERAL ELECTRIC**
AVERAGE PLATE CHARACTERISTICS

Each section

\[ E_f = \text{RATED VALUE} \]

OPERATION CHARACTERISTICS

FULL-WAVE RECTIFIER
\[ E_f = \text{RATED VALUE} \]
- CHOKE-INPUT FILTER
  \[ L = 4 \text{ HENRYS} \]
- CAPACITOR-INPUT FILTER
  \[ R = 100 \text{ OHMS} \]

DC OUTPUT VOLTAGE AT INPUT TO FILTER IN VOLTS

DC OUTPUT CURRENT IN MILLIAMPERES

TUBE DEPARTMENT

GENERAL ELECTRIC

Schenectady 5, N. Y.