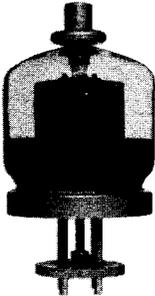


PULSE MODULATORS



4PR60A

A high-vacuum, radial-beam tetrode intended for pulse-modulator service in circuits employing resistive loads. This tube unilaterally replaces the 715C and the 5D21.

MAXIMUM PLATE VOLTAGE
20 kilovolts

MAXIMUM PULSE PLATE CURRENT
18 amperes

COOLING
Radiation & Convection

CHARACTERISTICS

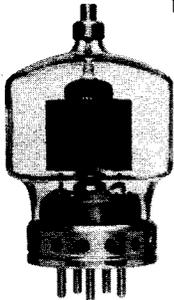
Cathode: Oxide-coated, unipotential
Heater:
Voltage 26.0 volts
Current 1.95 to 2.35 amperes
Capacitances (Grounded Cathode):
Input 35.0 to 50.0 uufd
Output 6.0 to 11.0 uufd
Feed-through 2.0 uufd
Socket E. F. Johnson Co. No. 122-234
Maximum Seal Temp. 200 °C
Maximum Envelope Temp. 200 °C
Maximum Length 6.0 inches
Maximum Diameter 3.063 inches
Net Weight 12 ounces

MAXIMUM RATINGS

D-C PLATE VOLTAGE 20 kilovolts
D-C SCREEN VOLTAGE 1.5 kilovolts
PEAK PLATE CURRENT 18 amperes
PLATE DISSIPATION 60 watts
SCREEN DISSIPATION 8 watts

TYPICAL OPERATION

D-C Plate Voltage 20 kilovolts
D-C Screen Voltage 1.25 kilovolts
Pulse Plate Voltage 19 kilovolts
Pulse Plate Current 18 amperes
Peak Drive Power 770 watts
Peak Output Power 342 kilowatts
Duty 0.1 percent



4PR400A

A compact, high-vacuum, radial-beam tetrode incorporating a pyrovac plate and non-emitting grids, intended for pulse-modulator service. A new pulse modulator in the Eimac line, it is recommended for use in new equipments whenever long pulse lengths, high duty factors, or high voltages preclude the use of tubes employing oxide-coated cathodes.

MAXIMUM PLATE VOLTAGE
20 kilovolts

MAXIMUM PULSE PLATE CURRENT
4 amperes

COOLING
Radiation & Forced Air

CHARACTERISTICS

Filament: Thoriated tungsten
Voltage 5.0 volts
Current 13.5 to 14.7 amperes
Capacitances (Grounded Cathode):
Input 10.7 to 14.5 uufd
Output 4.2 to 5.6 uufd
Feed-through 0.17 uufd
Base 5-pin metal shell
Socket Eimac SK-400
Max. Base-Seal Temp. 200 °C
Max. Plate-Seal Temp. 225 °C
Maximum Length 8.0 inches
Maximum Diameter 5.5 inches
Net Weight 9 ounces

MAXIMUM RATINGS

D-C PLATE VOLTAGE 20 kilovolts
D-C SCREEN VOLTAGE 2.5 kilovolts
PEAK PLATE CURRENT 4 amperes
PLATE DISSIPATION 400 watts
SCREEN DISSIPATION 35 watts
GRID DISSIPATION 10 watts

TYPICAL OPERATION

D-C Plate Voltage 20 kilovolts
D-C Screen Voltage 1.5 kilovolts
Pulse Plate Voltage 19 kilovolts
Pulse Plate Current 4 amperes
Peak Drive Power 40 watts
Peak Output Power 76 kilowatts
Duty 1.5 percent



4PR1000A

A compact, high-vacuum, radial-beam tetrode incorporating a pyrovac plate and non-emitting grids, intended for pulse-modulator service. New to the Eimac line, this heavy-duty pulse modulator is recommended for use in new equipments where high voltage, high current, or high duty prevent the use of tubes employing oxide-coated cathodes.

MAXIMUM PLATE VOLTAGE
30 kilovolts

MAXIMUM PULSE PLATE CURRENT
8 amperes

COOLING
Radiation & Forced Air

CHARACTERISTICS

Filament: Thoriated tungsten
Voltage 7.5 volts
Current 20.0 to 22.7 amperes
Capacitances (Grounded Cathode):
Input 23.8 to 32.4 uufd
Output 6.8 to 9.4 uufd
Feed-through 0.35 uufd
Base 5-pin metal shell
Socket Eimac SK-500
Max. Base-Seal Temp. 150 °C
Max. Plate-Seal Temp. 200 °C
Maximum Length 9.63 inches
Maximum Diameter 5.25 inches
Net Weight 1.5 pounds

MAXIMUM RATINGS

D-C PLATE VOLTAGE 30 kilovolts
D-C SCREEN VOLTAGE 2.5 kilovolts
PEAK PLATE CURRENT 8 amperes
PLATE DISSIPATION 1000 watts
SCREEN DISSIPATION 75 watts
GRID DISSIPATION 25 watts

TYPICAL OPERATION

D-C Plate Voltage 30 kilovolts
D-C Screen Voltage 1.5 kilovolts
Pulse Plate Voltage 29.4 kilovolts
Pulse Plate Current 8 amperes
Peak Drive Power 900 watts
Peak Output Power 235 kilowatts
Duty 1.0 percent



6C21

A high-vacuum triode designed for pulse-modulator service and incorporating a pyrovac plate and a non-emitting grid. It is recommended for use where long-pulse requirements rule out the use of tubes employing oxide-coated cathodes.

MAXIMUM PLATE VOLTAGE
30 kilovolts

MAXIMUM PULSE PLATE CURRENT
15 amperes

COOLING
Radiation & Forced Air

CHARACTERISTICS

Filament: Thoriated tungsten
Voltage 8.2 volts
Current 15.9 to 17.7 amperes
Capacitances:
Grid-Plate 3.0 to 5.6 uufd
Grid-Filament 7.0 to 12.0 uufd
Plate-Filament 2.0 uufd
Base 50-watt jumbo 4-pin
Socket E. F. Johnson Co. No. 123-211 or National Co. XM-50
Maximum Seal Temp. 225 °C
Maximum Length 12.625 inches
Maximum Diameter 5.125 inches
Net Weight 1.3 pounds

MAXIMUM RATINGS

D-C PLATE VOLTAGE 30 kilovolts
PEAK PLATE CURRENT 15 amperes
PLATE DISSIPATION 300 watts
GRID DISSIPATION 50 watts

TYPICAL OPERATION

D-C Plate Voltage 28 kilovolts
Pulse Plate Voltage 25 kilovolts
Pulse Plate Current 15 amperes
Peak Drive Power 7.5 kilowatts
Peak Output Power 375 kilowatts
Duty 0.2 percent

EIMAC PRODUCTS ARE STOCKED BY DISTRIBUTORS IN EVERY MAJOR CITY THROUGHOUT THE COUNTRY.