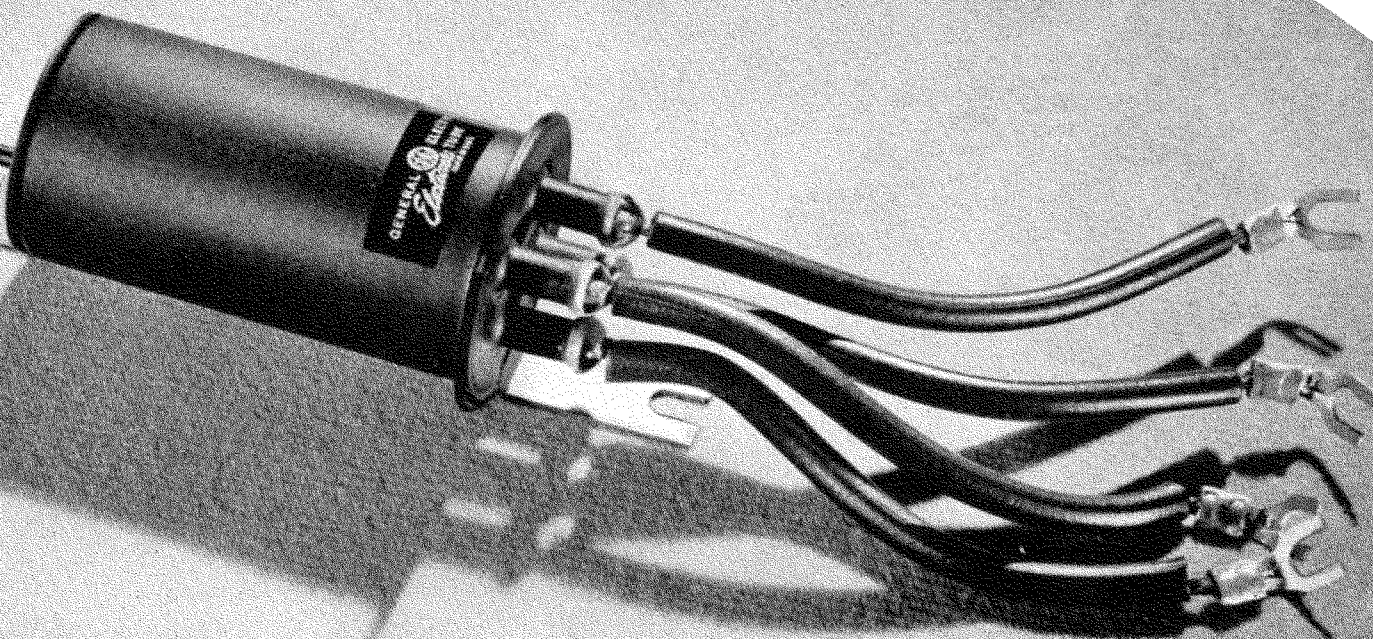




PHANTOTRON

DESCRIPTION

The FG-190 is a gas-filled all-metal tube for use as a full-wave rectifier at low voltages. The use of gas imposes a voltage limitation and tubes of this type

will not carry as high a voltage as mercury tubes of comparable size. They can, however, be operated in much lower ambient temperatures.

TECHNICAL INFORMATION

These data are for reference only. For design information refer to specifications.

GENERAL CHARACTERISTICS

Number of electrodes.....3

Electrical

Cathode—Filamentary type.....2.5 volts
Heater voltage.....12 amperes
Heater current, approx.....5 seconds
Heating time, typical.....8 volts
Voltage drop, typical.....14 volts
Pick-up voltage, either anode, typical.....

Mechanical

Net weight, approx.....6 ounces
Shipping weight, approx.....4 pounds
Mounting position.....vertical, with leads down

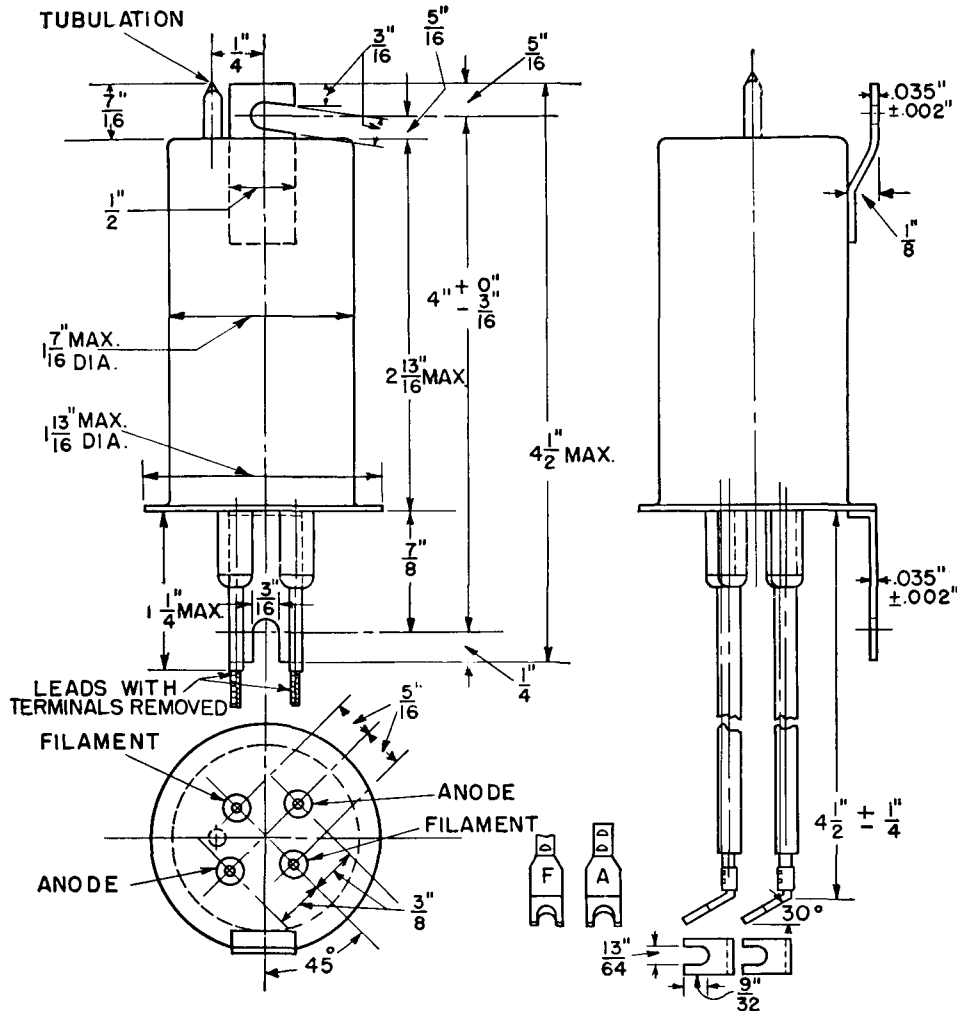
GENERAL ELECTRIC



TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS

Maximum peak inverse anode voltage.....	175 volts
Maximum instantaneous anode current	
25 cycles and above.....	5 amperes
Below 25 cycles.....	2.50 amperes
Average anode current.....	1.25 amperes
Surge anode current, for design only.....	20 amperes
Duration of surge current.....	0.1 second
Maximum time of averaging current.....	15 seconds
Ambient temperature limits.....	-20 to +50 centigrade



OUTLINE
FG-190 PHANOTRON

K-5300039

7-13-44