



0A4-G

GAS-TRIODE

COLD-CATHODE STARTER-ANODE TYPE

Maximum Overall Length

4-1/8"

Maximum Diameter

1-9/16"

Bulb

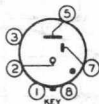
ST-12

Base

Pin 1-No Connection

Pin 2-Cathode

Pin 3-No Connection



Small Shell Octal 6-Pin

Pin 5-Anode

Pin 7-Starter-Anode

Pin 8-No Connection

BOTTOM VIEW

CHARACTERISTICS

Peak Anode Breakdown Voltage (Starter anode tied to cathode)

225 min. volts

Peak Positive Starter-Anode Breakdown Voltage

70 min. volts

90 max. volts

Starter-Anode Current (For transition of discharge to anode at 140 volts peak)

100 max. μ amp.

Starter-Anode Drop

60 approx. volts

Anode Drop

70 approx. volts

MAXIMUM RATINGS and TYPICAL OPERATING CONDITIONS

Relay Service

Peak Cathode Current

100 max. ma.

D-C Cathode Current

25 max. ma.

Typical Operation with A-C Supply:

Anode-Supply Voltage (RMS)

105 - 130 volts

A-C Starter-Anode Voltage (peak)

70 max. volts

R-F Starter-Anode Voltage (peak)

55 min. volts

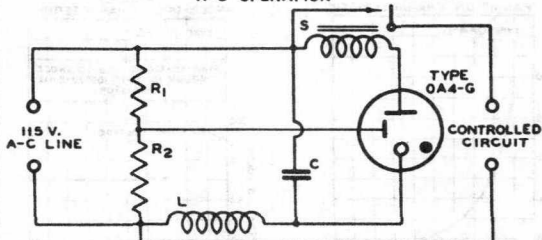
Sum of A-C and R-F Starter-

Anode Voltages (peak)

110 min. volts

SCHEMATIC RELAY CIRCUIT USING TYPE 0A4-G

A-C OPERATION



C } = HIGH-Q TUNED CIRCUIT FOR R-F SIGNAL
L }

R₁ = 15000 OHMS (1/2 WATT)

R₂ = 10000 OHMS (1/2 WATT)

S = RELAY—CHOSEN FOR DESIGN REQUIREMENTS

The license extended to the purchaser of tubes appears in the License Notice accompanying them. Information contained herein is furnished without assuming any obligations.

APRIL 20, 1938

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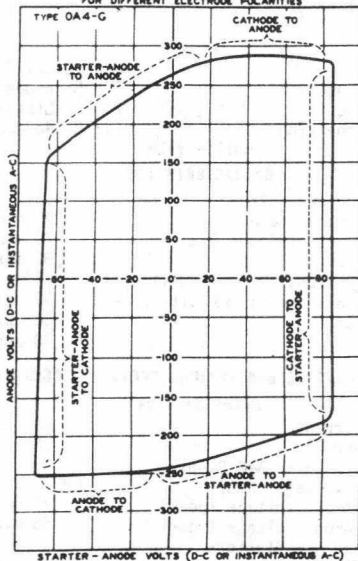
TENTATIVE DATA

0A4-G

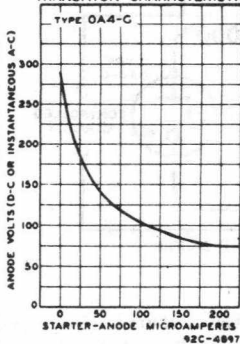


0A4-G GAS-TRIODE

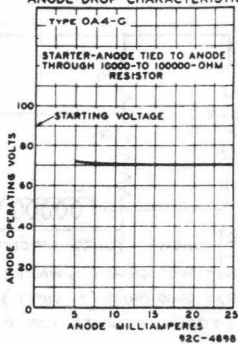
TYPICAL BREAKDOWN CHARACTERISTICS
FOR DIFFERENT ELECTRODE POLARITIES



AVERAGE
TRANSITION CHARACTERISTIC



AVERAGE
ANODE-DROP CHARACTERISTIC



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92C-4897,
4898, 4899