

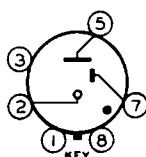


0A4-G

GAS-TRIODE

COLD-CATHODE STARTER-ANODE TYPE

Maximum Overall Length	4-1/8"
Maximum Diameter	1-9/16"
Bulb	ST-12
Base	Small Shell Octal 6-Pin
Pin 1 - No Connection	Pin 5 - Anode
Pin 2 - Cathode	Pin 7 - Starter-Anode
Pin 3 - No Connection	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.	μamp.
Starter-Anode Drop	60 approx.	volts
Anode Drop	70 approx.	volts

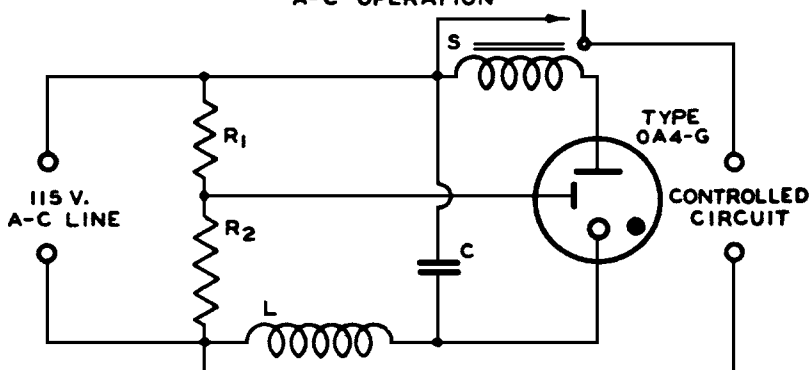
MAXIMUM RATINGS and TYPICAL OPERATING CONDITIONS

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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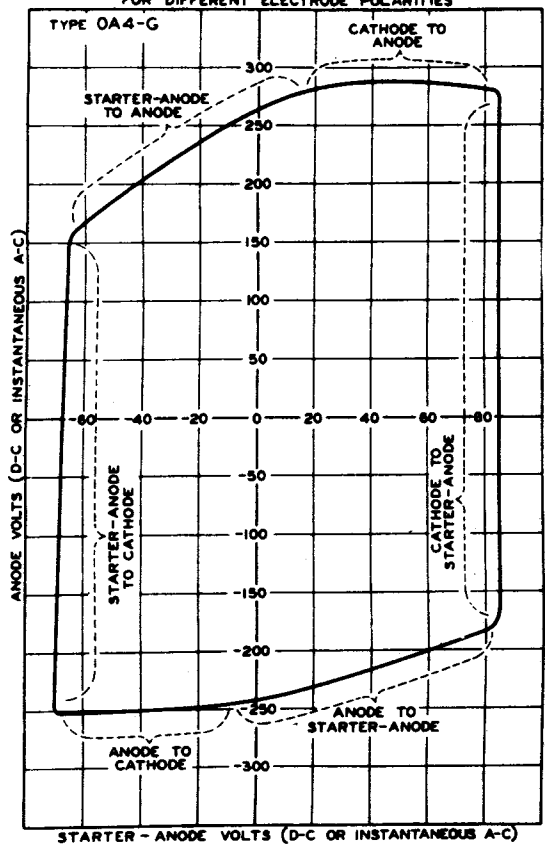
TENTATIVE DATA

0A4-G



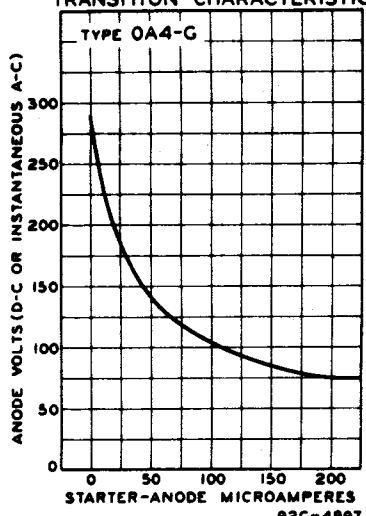
0A4-G GAS-TRIODE

TYPICAL BREAKDOWN CHARACTERISTICS
FOR DIFFERENT ELECTRODE POLARITIES



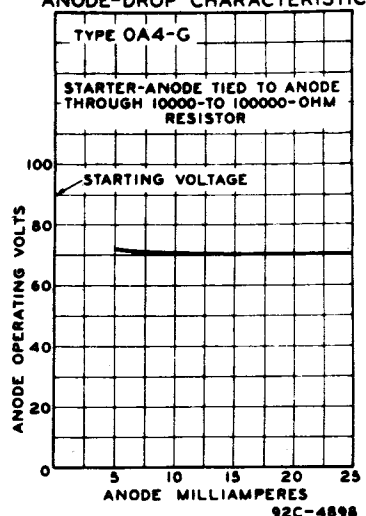
92C-4899

AVERAGE
TRANSITION CHARACTERISTIC



92C-4897

AVERAGE
ANODE-DROP CHARACTERISTIC



92C-4898

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