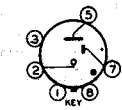
0A4-G

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

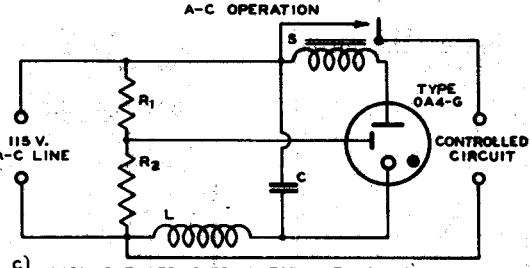
Peak Anode Breakdown Voltage (Starter anode tied to cathode)	225 min.	volts
Peak Positive Starter-Anode Breakdown Voltage	70 min. 90 max.	volts volts
Starter-Anode Current (For transition of discharge to anode at 140 volts peak)	100 max.	μamp.
Starter-Anode Drop	60 approx.	volts
Anode Drop	70 approx.	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, L = HIGH-Q TUNED CIRCUIT FOR R-F SIGNAL

R_1 = 15000 OHMS (½ WATT)

R_2 = 10000 OHMS (½ WATT)

S = RELAY — CHOSEN FOR DESIGN REQUIREMENTS

0A4-G

0A4-G
GAS-TRIODE