SYLVANIA

# engineering data service

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# OA4G

## MECHANICAL DATA

| | |
|---|---|
| Bulb | ST-12 |
| Base | B6-3, Small Shell Octal, 6-Pin |
| Outline | 12-7 |
| Basing | 4V |
| Cathode | Cold |
| Mounting Position | Any |

## ELECTRICAL DATA

### RATINGS (Absolute Values)

| | |
|---|---|
| Peak Cathode Current | 100 Ma Max. |
| DC Cathode Current | 25 Ma Max. |

### CHARACTERISTICS

| | |
|---|---|
| Peak Anode Breakdown Voltage, (Starter Anode Tied to Cathode) Minimum | 225 Volts |
| Peak Positive Starter Anode Breakdown Voltage | |
| Minimum | 70 Volts |
| Maximum | 90 Volts |
| Starter Anode Current (For Transition of Discharge to Anode at 140 Volts Peak) Maximum | 100 $\mu$a |
| Starter Anode Voltage Drop, approx. | 60 Volts |
| Anode Voltage Drop, approx. | 70 Volts |

### TYPICAL OPERATION[1]

**Relay Service — With AC Supply**

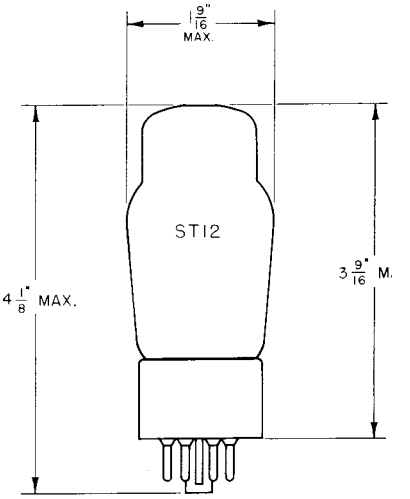
| | |
|---|---|
| Anode Supply Voltage, RMS | 105-130 Volts |
| Peak AC Starter Anode Voltage | 70 Volts |
| Peak RF Starter Anode Voltage | 55 Volts |

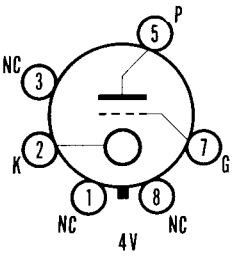
### NOTE:

*1. To assure stable operation, the OA4G should be shielded from external light sources.*

## QUICK REFERENCE DATA

The Sylvania Type OA4G is a cold cathode, gas-filled triode designed for use in the remote control of various line operated devices. The OA4G may also be used in relaxation oscillator circuits and as a voltage regulator.




SYLVANIA ELECTRIC PRODUCTS INC.

RADIO TUBE DIVISION
EMPORIUM, PA.

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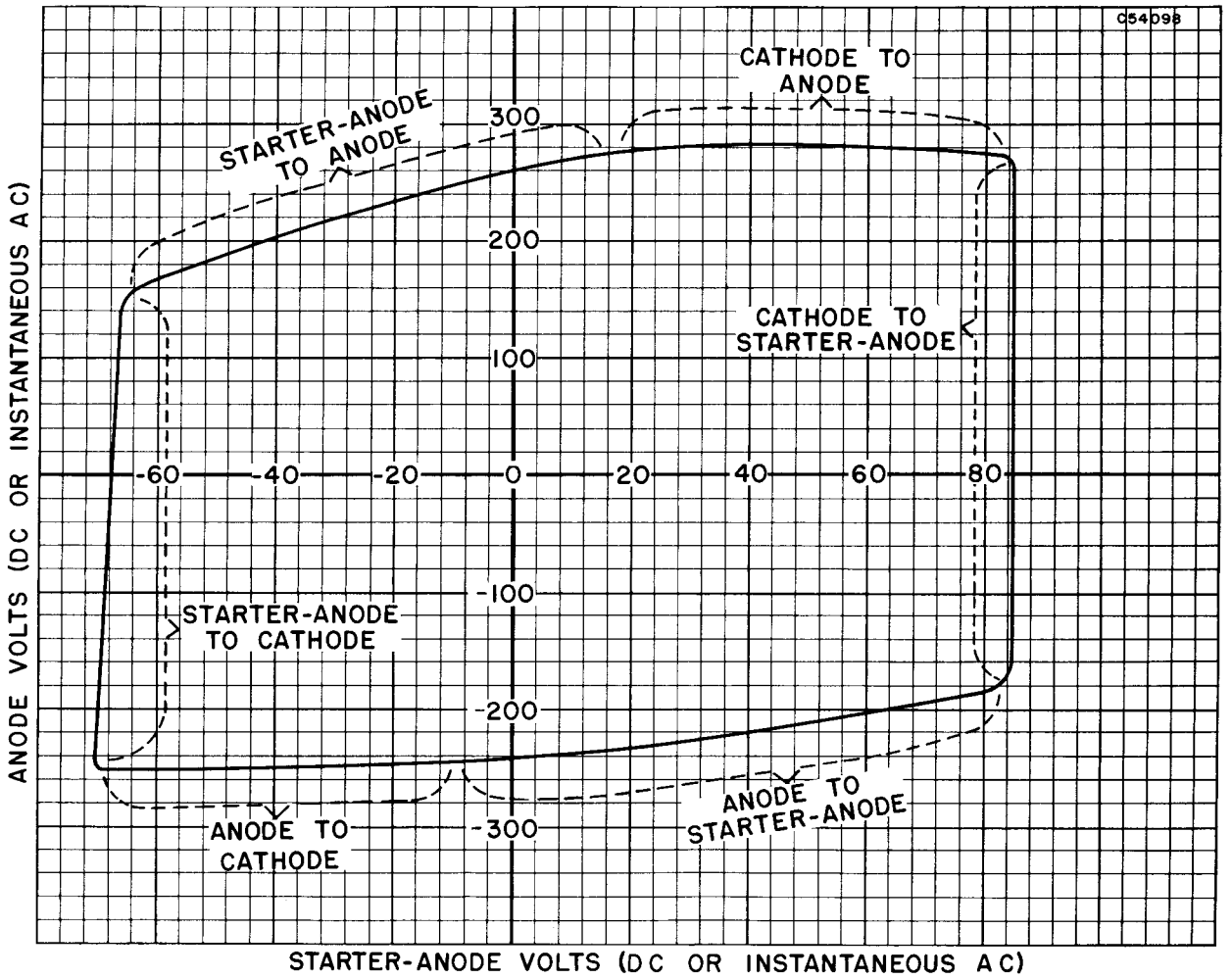
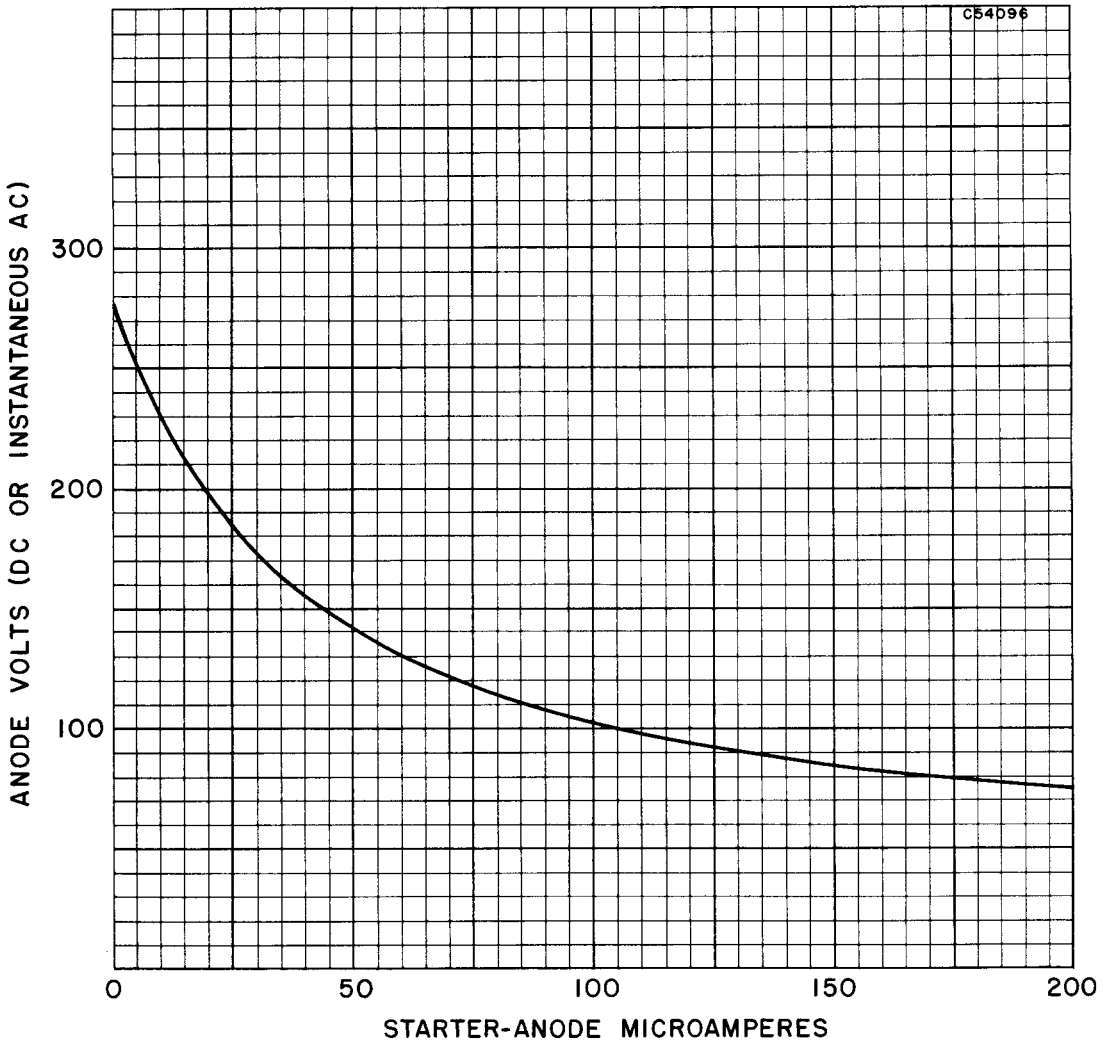
## TYPICAL BREAKDOWN CHARACTERISTICS



## AVERAGE TRANSITION CHARACTERISTICS



## AVERAGE ANODE-DROP CHARACTERISTICS