

## 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,<br>(Starter Anode Tied to Cathode) Minimum . . . . .                  | 225 Volts   |
| Peak Positive Starter Anode Breakdown Voltage<br>Minimum . . . . .                                  | 70 Volts    |
| Maximum . . . . .                                                                                   | 90 Volts    |
| Starter Anode Current (For Transition of Discharge<br>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<sup>1</sup>

#### Relay Service — With A C Supply

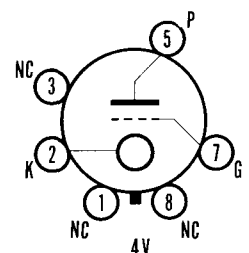
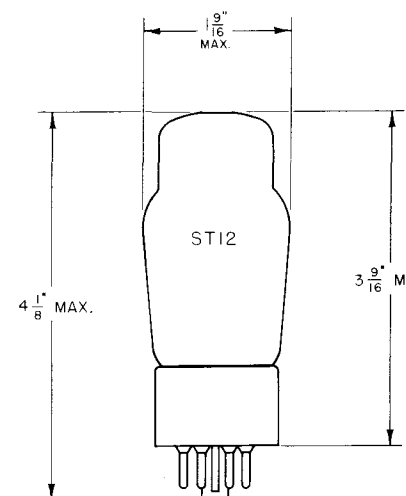
|                                          |               |
|------------------------------------------|---------------|
| Anode Supply Voltage, RMS . . . . .      | 105-130 Volts |
| Peak A C Starter Anode Voltage . . . . . | 70 Volts      |
| Peak R F Starter Anode Voltage . . . . . | 55 Volts      |

### 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.

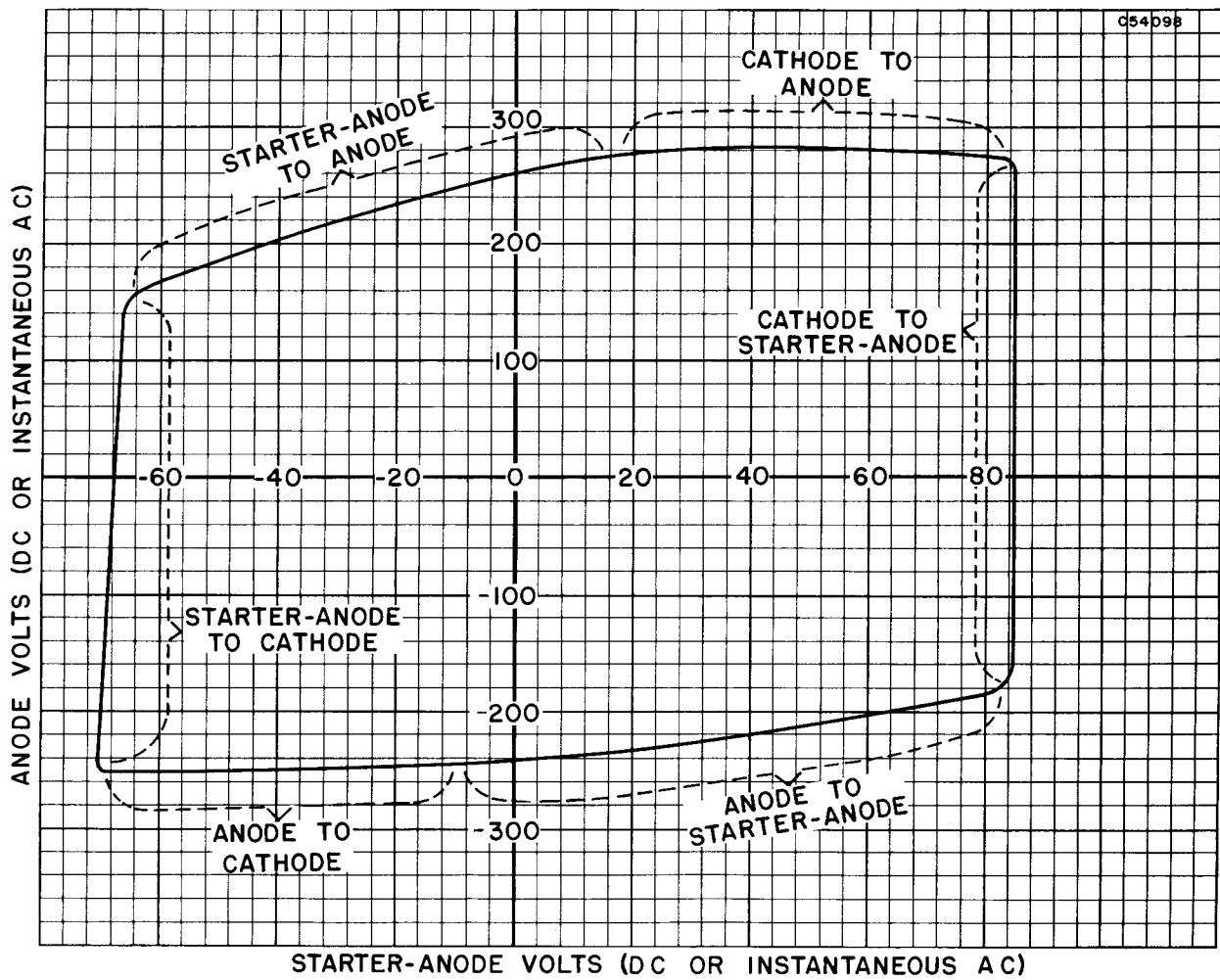
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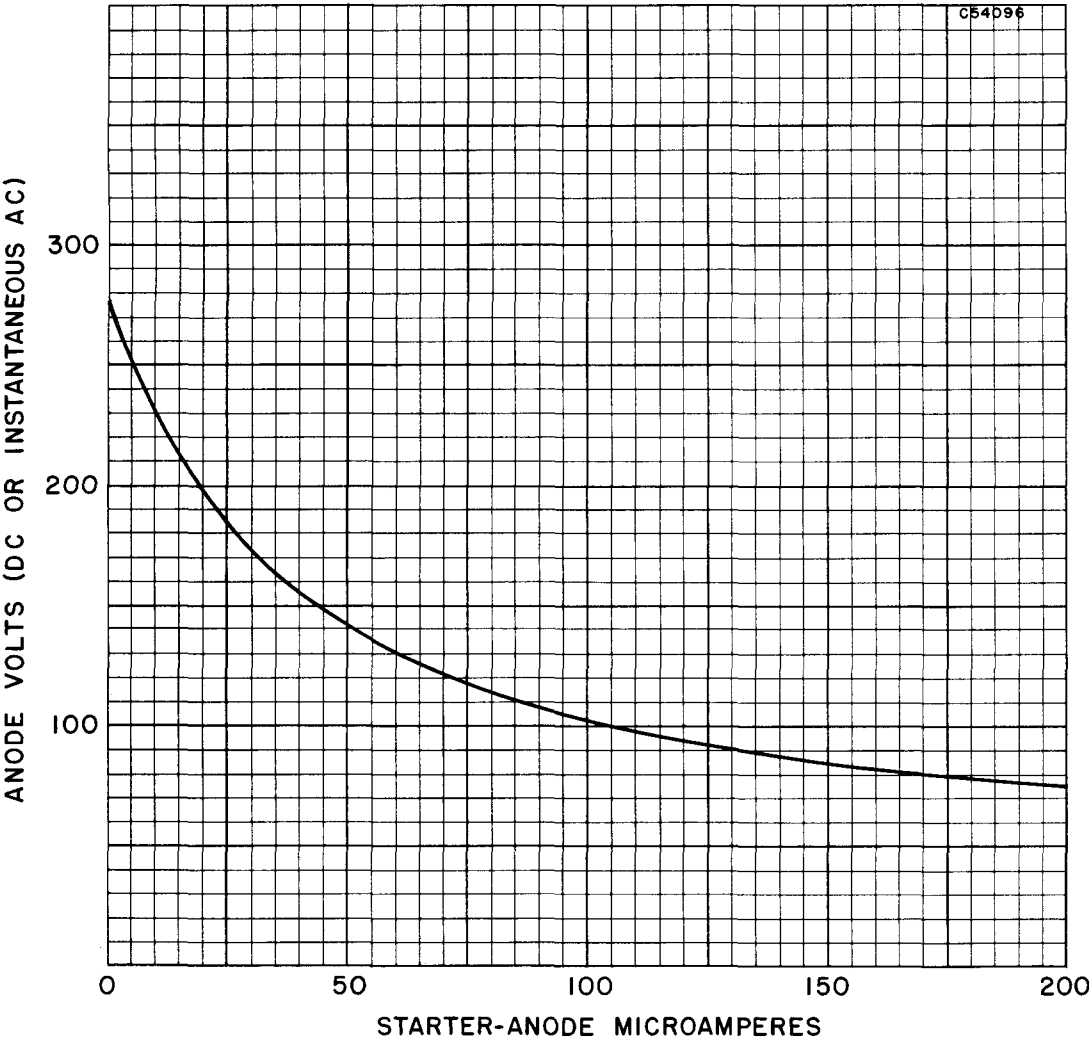
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## TYPICAL BREAKDOWN CHARACTERISTICS



AVERAGE TRANSITION CHARACTERISTICS



# AVERAGE ANODE-DROP CHARACTERISTICS

